

# BOARD OF INTERMEDIATE EDUCATION, KARACHI

Bakhtiari Youth Center, North Nazimabad, Karachi - 74700



# MODEL QUESTION PAPERS 2026

## FOR THE HSC PART-I & II ANNUAL EXAMINATIONS 2026

The examinations of HSC Part-I (Fresh) Science subjects will be conducted under the E-Marking & OMR.

- 1 Botany Paper-I
- 2 Zoology Paper-I
- 3 Physics Paper-I
- 4 Chemistry Paper-I
- 5 Mathematics Paper-I
- 6 Computer Science Paper-I

**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**

**MODEL PAPER – 2026**

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماؤں پیپر ۲۰۲۶ء

کل نشانات: ۸۰

اردو لازمی (پرچہ اول) (نئی کتاب کے مطابق) (مادری زبان)

(تمام گروپس کے لیے)

(نشانات: ۳۰)

حصہ ب، (مختصر جواب کے سوالات)

ہدایات: اس حصے سے تمام سوالات کے جوابات تحریر کیجیے۔

مندرجہ ذیل میں سے کسی دو کی تشریح شاعر کے حوالے سے کیجیے۔

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کیا تاب گذر ہو دے تعلق کے قدم کا  
خبر نہیں ہے تجھے آہ، کارروائی میری  
کہتی ہے تجھ کو خلق خدا غائب نہ کیا؟  
آخر اس درد کی دوا کیا ہے؟  
کیسی دعا نہیں تھیں جو صدائے نہیں کھلے  
کیا باب تجھ یہاں جو صدائے اثر گئیں؟

تشریح طلب اشعار کے لیے کتاب میں شامل تمام غربیات

اس مندرجہ ذیل پر کہ تو جلوہ نہا ہے

بِرْنِگِ صوتِ جرسِ تجھ سے دوڑ ہوں تھا

سُنْ تو سُکی جہاں میں ہے تیر افسانہ کیا؟

دُلِ ناداں تجھے ہوا کیا ہے؟

کیا باب تجھ یہاں جو صدائے نہیں کھلے

۳۔ (الف) منتخب کردہ اقتباس کے مصنف اور سبق کا نام تحریر کیجیے۔  
(ب) مندرجہ ذیل میں سے کسی ایک اقتباس کی تشریح کیجیے۔

(i) "اسلام کسی سے نہیں پوچھتا کہ وہ ترک ہے یا تاجیک، وہ افریقہ کا رہنے والا ہے یا عرب کا، وہ چین کا باشندہ ہے یا میانچین کا، وہ بخا ب میں پیدا ہوا ہے یا ہندوستان میں، وہ کالے رنگ کا ہے یا گورے رنگ کا، بلکہ جس کسی نے العروہ الٹھی (توحید کی مضبوط رسم) کلمہ تو حید کو ملکم کیا وہ ایک قوم ہو گیا۔"

"آج بھی ہمارے بہت سے نادان دوست کہتے ہیں کہ اگر اس قوم نے انگریزی کا سایہ عاطفہ چھوڑا تو یہ قوم یتیم ہو جائے گی، جاہل رہ جائے گی۔ دنیا میں کوئی اس کی بات نہ پوچھے گا۔ میں الاقوامی حلقوں میں اس کا اعتبار ساتھ ہو جائے گا۔ انگریزی کو چھوڑ کر یہ قوم ہتنی اعتبار سے مفلس ہو جائے گی۔"

"مجھے یقین ہے کہ اس لکڑیاں چنے والی تحری، دھوپ جلی نادیہ کو اگر مناسب تریتی دی جائے تو وہ مرathon یا کسی ہر ڈل ریس میں شریک ہو کر پاکستان کے لیے اولمپک کا اس نوعیت کا پہلا گولڈ میڈل حاصل کر سکتی ہے اگرچہ یہ خواب خام ہے۔"

اقتباس کی تشریح کے لیے مختصر اسپاہ

مضامین (سوائے فاقہ میں روزہ)۔ سفرنامے۔

مکتوبات۔

۴۔ (الف) نظم کے شاعر کا مختصر عارف تحریر کیجیے۔  
(ب) مندرجہ ذیل سے کسی ایک نظم کا مرکزی خیال تحریر کیجیے۔

☆ نوائے سروش ☆ رہنے نام اللہ کا  
☆ یارب چین نظم کو گل زار ارم کر  
یا

(الف) تشریح کردہ جز کے شاعر اور نظم کا نام تحریر کیجیے۔

(ب) مندرجہ ذیل جز کی تشریح کیجیے۔

تم پھول اگر ہو تو چین ہی میں رہو  
پر دلیں میں رہ کر بھی وطن ہی میں رہو  
جلوہ ہو تو سورج کی کرن ہی میں رہو  
ہر لمحہ رہے یاد وطن حب وطن

مرکزی خیال کے لیے مختصر نظمیں

پاہنڈیمیں شعری مزاح قوی نغمہ

بند کی تشریح کے لیے مختصر نظمیں

حمد لغت رباعیات قطعات

۵۔ (الف) منتخب کردہ سبق کے مصنف کا مختصر عارف تحریر کیجیے۔  
(ب) مندرجہ ذیل میں سے کسی ایک سبق کا خلاصہ تحریر کیجیے۔

☆ فاقہ میں روزہ ☆ زیور کا بنا میدان جنگ۔

خلاصے کے لیے مختصر اسپاہ

فاقہ میں روزہ۔ ڈرامے۔ افسانے۔ نثری مزاح۔

یا

مندرجہ ذیل میں سے صرف پانچ سوالات کے جواب دیجیے۔ تمام سوالات کے نشانات مساوی ہیں۔  
(i) مسلمانوں کے زوال کا سب سے بڑا سب کیا ہے؟

(ورق الٹیہ)

(ii) حالی نے زبان کی طاقت کو نمونہ قدرت اٹھی کیوں کہا ہے؟

(iii) مصاحب نے مرا صاحب کو کیا مشورہ دیا؟

(iv) چند پر کاش نے عملی زندگی کا آغاز کس طرح کیا؟

(v) امیدوار نے بیگم کی بیوی کو تھکانے کے لیے کتنی رقم طلب کی؟

(vi) کارو بھر پہاڑی سلسلہ کس جگہ واقع ہے؟

(vii) خواہ مخواہ کی لڑائی سے مصنف کی کیا مراد ہے؟

(viii) خط نویسی کے سلسلے میں محمد شاہی روشن سے غالب کی کیا مراد ہے؟

سوالات کے لیے مختصر اسپاٹ			
بیگم کی بیوی	زیور کا ڈبنا	فاقت میں روزہ	زبان گویا
خط غالب بنام میر مہدی مجرد	خواہ مخواہ کی لڑائی	تھر کی نادیہ کماں	تھر کی نادیہ کماں

### حصہ نج، (تفصیلی جواب کے سوالات) (نشانات : ۲۰)

مندرجہ ذیل میں سے کسی ایک شاعر کے کلام کی دس خصوصیات تحریر کیجیے۔

☆ مرزا غالب ☆ نظیرا کبر آبادی ☆ ڈاکٹر علامہ اقبال۔

تہبرے کے لیے مختصر شاعر  
نظیرا کبر آبادی، علامہ اقبال سمیت غزلیات کے شعراء

مندرجہ ذیل میں سے کسی ایک نشر نگار کے طرز تحریر کی دس خصوصیات تحریر کیجیے۔

☆ امیاز علی تاج ☆ مشی پریم چند ☆ سر سید احمد خان

تہبرے کے لیے مختصر نشر نگار  
سر سید احمد خان۔ خواجہ الطاف حسین حالی۔ خواجہ حسن نظامی۔ مشی پریم چند۔ احمد ندیم قاسمی۔ امیاز علی تاج۔ آغا حشر کاشمیری۔ شوکت ٹھانوی۔

مندرجہ ذیل عبارت کو پڑھ کر دیے گئے سوالات کے جوابات تحریر کیجیے۔ تمام سوالات کے نشانات مساوی ہیں۔

ترجمہ ایک دشوار فن سمجھا جاتا ہے۔ اس وجہ سے بڑے بڑے مترجم اپنے کام سے خوف زدہ رہے ہیں۔ اس خوف کے کئی ڈراوے نے پہلو ہیں۔ جتنا خوف

اتنے وسو سے۔ ہزاروں باتیں سننے میں آتی ہیں۔ مثلاً یہ کہ مترجم کے لیے اس پائے کے علم اور تجربے کی ضرورت ہوتی ہے جو اس کتاب یا فن پارے کے

مصنف کا ہو جس کا ترجمہ کرنا مقصود ہو۔ مصنف تو جس زبان میں لکھتا ہے وہ چاہے اس زبان کا ماہر ہو یا نہ لیکن مترجم کے لیے ضروری ہے کہ وہ دونوں زبانوں

کا ماہر ہو۔ ایک وہ جس سے ترجمہ کرنا مقصود ہو اور دوسری وہ جس میں ترجمہ کرنا ہو۔ مترجم کو اصل مصنف کے انداز میں اور اسلامی خصوصیات کے علاوہ اس کے

تعلیمی معیار، اس کے عام حالات، زندگی کے بارے میں اس کے نظریات اور عصری تقاضوں سے جس قدر واقفیت ہوگی اس کے لیے اتنا ہی بہتر ہے۔ یعنی یہ

باتیں اس کے بہتر ترجمہ ہونے میں مدد و معاون ثابت ہوتی ہیں یہ اور ایسی بہت سی باتیں ترجمے کے کام کو دشوار بناتی ہیں۔ لیکن یہ سب باتیں نصف صداقتیں ہیں۔

دنیا کے بہترین مترجم نہ ان شرائکوں پر اکارتے ہیں اور نہ اس معیار پر پورا اترتے ہیں۔ بالفرض حال اگر یہ سب باتیں کسی ایک شخص میں جمع بھی ہو جائیں تو یہ

کب لازم آتا ہے کہ وہ ایک اچھا مترجم بھی ثابت ہوگا۔ پھر یہ بھی ایک حقیقت ہے کہ ترجمہ کیسا ہی تحلیقی کیوں نہ ہو، آخر ترجمہ ہی ہوتا ہے۔

1) اس عبارت کا عنوان تجویز کیجیے۔

2) عبارت کو پڑھ کر تلخیص کیجیے۔

3) ترجمہ کو دشوار فن کیوں قرار دیا گیا ہے؟

4) ترجمہ کرنے کے لیے کن خصوصیات کا ہونا ضروری ہے؟

5) عبارت کی روشنی میں ترجمے اور تحلیق میں کیا فرق ہے؟

عبارت کے لیے مختصر اسپاٹ
پڑھ لیم کی کہانی۔ کچھ ذریعہ تعلیم کے باب میں۔ سندھی شاعری کے ترجم۔ ملک بیگنیس کا مل۔ مکتبات۔

# بورڈ آف انٹرمیڈیٹ ایجوکیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماؤن پیپر ۲۰۲۶ء

کل نشانات: ۲۰

اردو (مادری زبان) (لازمی) (پرچا اول) (ئئی کتاب کے مطابق)

(تمام گروپس کے لیے)

(نشانات: ۲۰)

حصہ 'الف' (کشیر الاتخابی سوالات)

☆ خواجہ حیدر علی آتش

☆ میر درد

☆ مرزا غالب

☆ حفیظ جالندھری

☆ علامہ اقبال

☆ حمایت علی شاعر

☆ تقدیمی

☆ سائنسی

☆ تاریخی

☆ علامہ اقبال

☆ نظیر اکبر آبادی

☆ ماہر القادری

☆ ضمیر جعفری

☆ میر تقيٰ مير

☆ خواجہ حسن نظامی

☆ کراچی والا ہور

☆ کابل و قندھار

☆ بابل و نینوا

☆ علامہ اقبال

☆ علامہ شبیل نعمانی

☆ امتیاز علی تاج

☆ کھیل کو دکا

☆ خواتین کی عظمت کا

☆ عیش و آراما کا

☆ ریشم کی

☆ مارکین کی

☆ سوتی کپڑے کی

☆ خواجہ میر درد

☆ علامہ اقبال

☆ مرزا غالب

☆ ڈرائے کا

☆ جنگ کا

☆ گاؤں کا

☆ مرشیہ

☆ مشوی

☆ آزاد نظم

☆ خاکہ

☆ ناول

☆ افسانہ

☆ ماہر القادری

☆ وضاحت نیم

☆ حمایت علی شاعر

☆ ایک انار و صد بیمار

☆ سندھی شاعری کے ترجم

☆ سندھی شاعری کے ترجم

☆ دماغ کو

☆ ہاتھ کو

☆ دل کو

☆ آب حیات

☆ ملکہ بلقیس کامل

☆ پڑو یم کی کہانی

☆ تغزل کا امام

☆ تصوف کا امام

☆ خدائیخن

☆ خواجہ حیدر علی آتش

☆ ماہر القادری

☆ میر انیس

☆ ایک ہزار روپے

☆ گیارہ ہزار روپے

☆ دس ہزار روپے

(i) جدید دور کے شاعر ہیں:

☆ احمد فراز

(ii) شاعر شرق کہا جاتا ہے:

☆ نگار صہبائی

(iii) مجبوریاں "اس قسم کا مضمون ہے:

☆ مراجیہ

(iv) نعت کے شاعر ہیں:

☆ اقبال عظیم

(v) انھیں مصور فطرت کہا جاتا ہے:

☆ مرزا غالب

(vi) نظم مسلمان میں شہروں کا ذکر ہے:

☆ بخارا و بدشہان

(vii) ڈرامہ نگاری کے لیے مشہور ہیں:

☆ سر سید احمد خان

(viii) چپ کی داد نظم درس دیتی ہے:

☆ غربت کا

(ix) خواجہ کی لڑائی مضمون میں پتوں کا ذکر ہے:

☆ فلا لین کی

(x) "دبتان" لکھنو کے نہائیدہ شاعر ہیں:

☆ خواجہ حیدر علی آتش

(xi) سبق "بیانور" میں مظہر پیش کیا گیا ہے:

☆ شہر کا

(xii) نظم "داستان تیاری میں باغ کی" ہے:

☆ رباعی

(xiii) رسم و ہراب ہے:

☆ ڈرامہ

(xiv) کتاب میں شامل ہم کے شاعر ہیں:

☆ نگار صہبائی

(xv) "ترجھے اور تختیق کا فرق تباہیا گیا ہے:

☆ پڑو یم کی کہانی

(xvi) بل بزار داستان قرار دیا گیا:

☆ زبان کو

(xvii) دریائے سندھ کا ذکر کر اس سبق میں ہے:

☆ بیانور

(xviii) میر تقيٰ میر کو کہا جاتا ہے:

☆ پیغمبر خن

(xix) مرشیہ گوئی کے لیے مشہور ہیں:

☆ مرزا غالب

(xx) زیور کے ڈبے کی کل مایت تھی:

☆ پانچ بزار روپے

# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماؤنٹ پیپر ۲۰۲۶ء

کل نشانات: ۸۰

اردو (مادری زبان) لازمی (پرچہ دوم) (نئی کتاب کے مطابق)

(تمام گروپس کے لیے)

(نشانات: ۲۰)

حصہ ب، (مختصر جواب کے سوالات)

ہدایات: اس حصے سے تمام سوالات کے جوابات تحریر کیجیے۔

۲۔ درج ذیل میں سے کسی دواشعار کی تشریح شاعر کے حوالے اور مختصر تعارف کے ساتھ کیجیے۔

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جب وہ آتا ہے تو نہیں آتا  
پر مری نظر وہ کے ڈھب سے پا گیا  
عذر میرے قتل کرنے میں وہاب لائیں گے کیا؟  
آہ، اب مجھ سے تری رنجش بے جا بھی نہیں  
آپ کیا کیجیے تو کیا کیجیے  
ہو نہ پایا یہ فیصلہ اب تک

## تشریح طلب اشعار کے لیے مختصر غزلیات

خواجہ میر درد، میر تقی میر، مرزاغالب، مومن خان مومن، فراق گورکھ پوری، جگر مراد آبادی، ناصر کاظمی، جون ایلیا، فاطمہ حسن

۳۔ (الف) منتخب کردہ اقتباس کے سبق کا نام اور مصنف کا نام تحریر کیجیے۔

۸۔ (ب) مندرجہ ذیل میں سے کسی ایک اقتباس کی تشریح کیجیے۔

(i) "دostو! اگر تم مطالعہ فطرت کے بعد یقین رکھتے ہو کہ یہ دنیا انسانی صلاحیتوں اور استعدادوں کے اختلاف کا نام ہے تو یقین کرو کہ مدرس رسول اللہ ﷺ کی جامع شخصیت کے سوا اس کا کوئی آخری اور دامنی اور عالم گیر رہنمائیں ہو سکتا۔"

(ii) جب ظراحت اصلی محفل آرہوتی ہے تو آپ کمال سنجیدگی سے بیٹھی ہوتی ہے، گرداس کے سب ہنتے ہیں۔ بلکہ اتنی سی بات اور بھی کہتا ہوں کہ اگر اس کے خاندان میں خوش طبعی یا خندہ جنی یا خوش بیانی کسی کی بونہ آئے تو اسے بھی وہی جعل ساز بہروپیا سمجھنا چاہیے۔

(iii) سالہا سال تک اردو یعنی معلی ان کی ادارت میں نکلتا رہا۔ اس رسالے نے ادبی ذوق کے پھیلانے میں بڑا کام کیا۔ اس میں اچھے تقیدی اور ادبی مضامین نکلتے رہے۔ اس کے علاوہ اس میں ایک بات یہ بڑی اچھی تھی کہ بعض ایسے اچھے شعرا کے کلام کا انتخاب بھی چھپتا رہتا تھا جن کا کلام بھی طبع نہیں ہوا تھا یا کبھی طبع ہوا بھی تھا تو اب نایاب تھا۔

## اقتباس کی تشریح کے لیے مختصر اسپاہ

مضامین۔ انسائی۔ شخصیت نگاری

۲۔ (الف) نظم کے شاعر کا مختصر تعارف تحریر کیجیے۔

۸۔ (ب) مندرجہ ذیل سے کسی ایک نظم کا مرکزی خیال تحریر کیجیے۔

☆ بدلی کا چاند ☆ کتبہ کون کھے گا

(الف) تشریح کردہ جز کے شاعر اور نظم کا نام تحریر کیجیے۔

(ب) مندرجہ ذیل جز کی تشریح کیجیے۔

میرے ایمان مفصل کا یہی ہے مجمل  
سب سے اعلیٰ تری سرکار ہے سب سے افضل  
ہے تمنا نہ رہے لغت سے تیری خالی  
نہ مرا شعر، نہ قطعہ، نہ قصیدہ، نہ غزل  
میرے ہمراہ چلے راہ عدم میں مشعل  
رُخ انواعِ ﷺ کا ترے دھیان رہے بعد قضا

## مرکزی خیال کے لیے مختصر نظمیں

حضرت فاطمۃ الزہرہؑ کی رخصتی، چاند اور تارے، بدلی کا چاند، کتبہ کون لکھے گا، مرہم

## بند کی تشریح کے لیے مختصر نظمیں

حمد، لغت، گیت، اسلوب، کام، آب زم زم

۵۔ (الف) منتخب کردہ سبق کے مصنف کا مختصر تعارف تحریر کیجیے۔

(ب) مندرجہ ذیل میں سے کسی ایک سبق کا خلاصہ تحریر کیجیے۔

☆ زمین ☆ سحر ہونے تک

(ورق الیہ)

خلاصہ کے لیے مختص اسپاٹ

ناول- داستان- طنز و مزاح

یا

مندرجہ ذیل میں سے صرف پانچ سوالات کے جواب دیجیے۔ تمام سوالات کے نشانات مساوی ہیں۔

(i) اپنے حکمران کے لیے منصف ہونا کیوں ضروری ہے؟

(ii) خدا کی محبت اور پیار کا مستحق بننے کے لیے ہر مذہب نے کیا تدبیر بنائی ہے؟

(iii) مردم شناسی سے کیا مراد ہے؟

(iv) شاعری ایک شاعر سے کن کن چیزوں کا مطالبہ کرتی ہے؟

(v) انسانیہ نگار نے الہم کو "یوسف گم گشتہ" کیوں کہا؟

(vi) ساجدہ کو دیکھ کر ڈاکٹر نے کیا کہا؟

(vii) جو لوگ دوستوں کی بات نہیں مانتے، ان کا انجام کیا ہوتا ہے؟

(viii) ڈاکٹر اقبال کے انتقال کی خبر سن کر مصنف کا عمل کیا تھا؟

سوالات کے لیے مختص اسپاٹ

اقتباسات والے اسپاٹ۔

(نشانات : ۴۰)

حصہ ج، (تفصیلی جواب کے سوالات)

۲۰

مندرجہ ذیل میں سے کسی ایک شاعر کے کلام کی دو خصوصیات تحریر کیجیے۔

۶۔

ناصر کاظمی



مرزا غالب

میر تقي مير



تبصرے کے لیے مختص شاعر

میر تقي مير۔ مرزا غالب۔ مومن خان مومن۔ جگر مرا آبادی۔ ناصر کاظمی۔ فراق گورکھپوری علامہ اقبال۔ جون ایلیا

۲۰

مندرجہ ذیل میں سے کسی ایک نشر نگار کے طرز تحریر کی دو خصوصیات تحریر کیجیے۔

سید سلیمان ندوی



محمد حسین آزاد

رشید احمد صدیقی



تبصرے کے لیے مختص نشر نگار

سید سلیمان ندوی۔ محمد حسین آزاد۔ شلی نعمانی۔ خدیجہ مستور۔ رشید احمد صدیقی۔ مولوی عبدالحق۔ لپرس بخاری

۲۰

دی گئی عبارت کو پڑھ کر سوالات کے جوابات لکھیے:-

اکبرالہ آبادی کے کلام کی شہرت ہوئی تو ایک مولوی صاحب نے اخباروں میں چھپوادیا کہ میں اکبر کا استاد ہوں اور انھیں اس زمانے سے جانتا ہوں جب وہ اسکول میں پڑھتے تھے۔ لوگوں نے اکبر سے اس سلسلے میں استفسار کیا تو انھوں نے جواب دیا: مدت ہوئی ایک مولوی صاحب مجھے علم سکھاتے تھے اور میں انھیں عقل سکھاتا تھا۔ نہ مجھے علم آیا نہیں عقل۔ یعنی ہم دونوں کو اپنی کوششوں میں خختناک ای ہوئی۔

۱) عبارت کا عنوان تجویز کیجیے۔

۲) اکبرالہ آبادی کی وجہ شہرت کیا ہے؟

۳) اخبار میں اشتہار کس نے اور کیوں چھپوایا؟

۴) کس کو اپنی کوششوں میں ناکامی ہوئی؟

۵) عبارت کی تائیجیں کیجیے۔

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عبارت کے لیے مختص اسپاٹ

ادب آموزوں کے نام۔ مشاعرہ۔ لاہور میں ادیبوں کی کالونی۔ پھمنے کے تاقیامت۔ کرکٹ

# بورڈ آف انٹرمیڈیٹ ایجوکیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماڈل پیپر ۲۰۲۶ء

کل نشانات: ۲۰ وقت: ۲۰ منٹ

اردو (مادری زبان) لازمی (نئی کتاب کے مطابق) (پرچہ دوم)

(تمام گروپس کے لیے)

(نشانات: ۲۰) حصہ 'الف' (کثیر الاتخالی سوالات)

نوت: (i) اس حصہ میں ۲۰ جزوی سوالات ہیں۔ تمام جزوی سوالات کے جوابات مطلوب ہیں۔ ہر جزو کا ایک نمبر ہے۔  
(ii) اپنی جوابی کاپی میں جزوی سوال کو نقل نہ کیجیے۔ سوال اور اس کے جزو کا درست نمبر پر چکے مطابق لکھ کر صرف مکمل جواب تحریر کیجیے۔  
(iii) مندرجہ ذیل میں سے ہر ایک کے لیے درست جواب منتخب کیجیے۔

(iv) سبق "خوش طبی" اس کتاب سے ماخوذ ہے:

☆ محسن انسانیت	☆ خطبات مدراس	☆ نیونگ خیال	☆ انسان کامل
☆ حفظ جاندھری	☆ علامہ اقبال	☆ جمایت علی شاعر	☆ نگارصہبائی
☆ تلقیدی	☆ طبی	☆ تاریخی	☆ کرکٹ "اس قسم کا مضمون ہے"
☆ خانقہ کائنات	☆ روز ازل کا نقش	☆ وعدہ ازل	☆ مراجیہ
☆ دریا کی طرف	☆ جنگل کی طرف	☆ شہر کی طرف	☆ رو ز ازل
☆ رساق چلتی	☆ ضمیر جعفری	☆ مختاری	(v) ہائیکو کے شاعر ہیں:
☆ علامہ اقبال	☆ علامہ شلیل عنانی	☆ سید سلیمان ندوی	☆ یامین حیدر
☆ صبر و استقامت کا	☆ جہ مسلسل کا	☆ عیش و آرام کا	(vi) رشید احمد صدیقی کا شامل نصاب خاکہ ان کے بارے میں ہے:
☆ مینا کے پاس	☆ تو تے کے پاس	☆ کوئل کے پاس	☆ سر سید احمد خان
☆ مرست کرنا	☆ عیادت کرنا	☆ تہنیت کرنا	(vii) حضرت فاطمۃ الزہراؓ کی رحمتی نظم درس دیتی ہے:
☆ دعوت کا	☆ جلسے کا	☆ ریلوے ایشیان کا	☆ غربت کا
☆ قطعہ	☆ ربائی	☆ آزاد نظم	(viii) چھتے روتے ہوئے گئی تھی:
☆ رجڑ	☆ الہم	☆ پابند نظم	☆ کبوتر کے پاس
☆ محسن کا کوروی	☆ وضاحت سیم	☆ مہاجر کی پک کا	(ix) "پُرساد بینا" سے مراد ہے:
☆ لقمان نے	☆ بولی سینا نے	☆ سیکھنے کا	☆ تعریت کرنا
☆ پشاور	☆ لاہور	☆ اسلام آباد	(x) سبق "سحر ہونے تک" میں منظر پیش کیا گیا ہے:
☆ قحط الرجال	☆ چار مال دار	☆ عالم گیر کا انصاف	☆ مہاجر کی پک کا
☆ تعلز کا امام	☆ ابوالاثر	☆ خدائے بخشن	(xi) نظم "کتبہ کون لکھے گا" ہے:
☆ میراں	☆ چمنے کی تائیامت	☆ مشاعرہ	☆ آزاد نظم
☆ حضرت موبانی	☆ فاطمہ حسن	☆ جوش بیچ آبادی	(xii) میر قیم کو کہا جاتا ہے:
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☆ جون ایلیا			

# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماؤن پپر ۲۰۲۱ء

اردو (آسان) (پرچاہول)

کل نشانات: ۸۰

وقت: ۲ گھنٹے ۳۰ منٹ

(تمام گروپس کے لیے)

(نشانات: ۳۰)

حصہ ب، (مختصر جواب کے سوالات)

۲

(الف) تشریح کردہ اقتباس کے سبق کا نام اور مصنف کا نام تحریر کیجیے۔

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(ب) مندرجہ ذیل اقتباسات میں سے ایک کی تشریح کیجیے:

(i) دفعتاً ہوا بند ہوئی۔ ابر سا ہر آیا۔ دنیا دھوں دھار ہوئی۔ پھر سفید غبار سا برستا ہوا معلوم ہوا۔ تھوڑی دیر بعد یکھاتوز میں پر، دیواروں اور منڈیروں پر کوئی سفید آٹا چھڑک گیا۔ غرض کا ایک جھکولا برف کا اور پڑا۔

(ii) کہو صاحب! آج اجازت ہے میر مہدی کے خط کا جواب لکھنے کی؟ حضور میں منع کرتا ہوں؟ میں نے تو یہ عرض کیا تھا کہ اب وہ تن درست ہو گئے ہیں۔  
بخار جاتا رہا۔ صرف پچھلے باقی ہے۔ وہ بھی رفع ہو جائے گی۔

(iii) فقیر بولا: صاحب عالم! نا راض نہ ہوں۔ شکار ایسے جانوروں کا کرنا چاہیے کہ ایک جان جائے تو دس پانچ جانوں کا پیٹ تو بھرے۔ ان تھی چڑیوں کے مارنے سے کیا نیچہ۔ بیس مارو گے تب بھی ایک آدمی کا شکم سیرہ ہو گا۔

۲

(الف) تشریح کردہ جزو کی نظم اور شاعر کا نام تحریر کیجیے۔

۸

(ب) مندرجہ ذیل میں سے کسی ایک جزو کی تشریح کیجیے۔

(i) چراغ ایسے روشن جو بن تیل ہیں  
یہ تیری ہی قدرت کے سب کھیل ہیں  
یہ عل و گھر ہیں جو بکھرے پڑے  
زمیں سے بھی ان میں ہیں اکثر بڑے  
نظر میں جواتے سے آتے ہیں یہ  
بہت دور چکر لگاتے ہیں یہ

(ii)

تم اگر چاہتے ہو ملک کی خیر  
نہ سی ہم وطن کو سمجھو غیر  
ملک ہیں اتفاق سے آزاد  
شہر ہیں اتفاق سے آباد  
قوم جب اتفاق کھو بیٹھی  
اپنی پوچھی سے ہاتھ دھون بیٹھی

(iii) یاں آدمی پہ جان کو دارے ہے آدمی  
اور آدمی ہی تیقہ سے مارے ہے آدمی  
گپڑی بھی آدمی کی اتارے ہے آدمی  
چلا کے آدمی کو پکارے ہے آدمی  
اور سن کے دوڑتا ہے سو ہے وہ بھی آدمی

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شکم سیرہ ہونا  
زیر و زبر کرنا

☆

ٹوٹ پڑنا

☆

جال بجن ہونا

☆

القب

☆

شعر

☆

خبر

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علم

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صفات

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خط

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مخالفت

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قلت

☆

نافرمانی

☆

الاصاف

☆

ذلت

☆

حصہ ب، (تفصیلی جواب کے سوالات)

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(الف) نظم کے شاعر کا نام اور مختصر تعارف تحریر کیجیے۔

۸

(ب) مندرجہ ذیل میں سے کسی ایک کا نظم کا خلاصہ تحریر کیجیے۔

(i) مردِ مجاهد

(ii) آدمی نام

۲

(الف) سبق کے مصنف کا نام اور مختصر تعارف تحریر کیجیے۔

۸

(ب) مندرجہ ذیل میں سے کسی ایک سبق کا خلاصہ تحریر کیجیے۔

(i) جیسی کرنی ویسی بھرنی

(ii) حُجَّا کبر

(iii) نصوح کا خواب

۱۰

مندرجہ ذیل میں سے کسی ایک عنوان پر مضمون تحریر کیجیے۔

(i) قومی زبان اردو کی اہمیت (ii) فضول خرچی کے نقصانات (iii) بزرگوں کا ادب کریں (iv) میرا پسندیدہ کھیل

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بھل کے محکمے کے افراد کی وظائف کا پہنچانے والے میں بڑھتی ہوئی لوڈ شیڈنگ کی جانب توجہ دلائیں۔

کسی اخبار کے مدیر کے نام مرا سلسلہ تحریر کیجیے اور معاشرے میں تشدد کے بڑھتے ہوئے رہان پر اپنی تشویش کا اظہار کریں۔

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامنیشن ماؤنپیپر ۲۰۲۶ء

اردو (آسان) (پرچہ اول)

وقت : ۲۰ منٹ

(شناخت : ۲۰)

(تمام گروپس کے لیے)

حصہ اول، (کثیر الاتخالی سوالات)

کل شناخت : ۲۰

نوت : (i) اس حصہ میں ۲۰ جزوی سوالات ہیں۔ تمام جزوی سوالات کے جوابات مطلوب ہیں اور ہر جزو کا ایک نمبر ہے۔  
(ii) سوال یا اس کا جزو امتحانی کا پی میں لفظ مت سمجھیے۔ سوال کے اصل نمبر اور جزو کے سامنے صرف مکمل جواب تحریر کیجیے۔

۱۔ مندرجہ ذیل میں سے ہر ایک کے لیے درست جواب منتخب کیجیے۔

(1) جس نظم میں اللہ تعالیٰ کی تعریف کی جائے اسے کہتے ہیں:

☆ قصیدہ ☆ حمد

(2) نصاب میں شامل غالب کا خط ان کے نام لکھا گیا ہے:

☆ میر مہدی مجموع

(3) اردو کے پہلے قومی شاعر ہیں:

☆ علامہ اقبال

(4) سبق جمیعی کرنی و لی بھرنی، اس کتاب سے لیا گیا ہے:

☆ غدر دہلی کے افسانے

(5) دنیا میں پادش ہے، سو ہے وہ بھی آدمی، اس نظم سے لیا گیا ہے:

☆ حب وطن ☆ آسمان اور تارے

(6) نظم آسمان اور تارے میں دل عل و گز کہا گیا ہے:

☆ آسمان کو ☆ زمین کو

(7) یہ ۱۸۷۷ء میں پیدا ہوئے اور ۱۹۳۸ء میں فوت ہوئے:

☆ خواجہ حسن ظامی ☆ علامہ اقبال

(8) رباعی میں مصرع ہوتے ہیں:

☆ پانچ ☆ تین

(9) سبق ایک وصیت کی قیمت، میں ذکر ہے:

☆ مرا فرحت اللہ بیگ کا

(10) مغل بادشاہوں نے جنوبی ایشیا پر حکومت کی:

☆ دوسوال ☆ تین سوال

(11) اردو کی آخری کتاب مضمون ہے:

☆ مزاحیہ ☆ سمجیدہ

(12) فلکت سے انگریزی اخبار کا مرید، انہوں نے جاری کیا:

☆ مولانا الطاف حسین حاصل ☆ مولانا محمد علی جوہر

(13) ایک چیز کو دوسری چیز کی طرح کہنے کو کہتے ہیں:

☆ ضرب انش ☆ محاورہ

(14) بابائے اردو، انہیں کہا جاتا ہے:

☆ مولوی عبدالحق ☆ علامہ اقبال

(15) نظم میں رفیق نبوت، انہیں کہا جاتا ہے:

☆ حضرت عمر ☆ حضرت ابو بکر

(16) بھرت کے بعد شریب، کا نام بدل کر ہو گیا:

☆ مدینہ ☆ مکہ

(17) اردو اس زبان کا لفظ ہے:

☆ عربی ☆ فارسی

(18) علی گڑھ کان لج انہوں نے قائم کیا:

☆ علامہ اقبال ☆ سیرت نگاری

(19) سیرت نگاری کی حیثیت سے مشہور ہیں:

☆ مرا فرحت اللہ بیگ ☆ سید سلیمان ندوی

(20) آپ سیشن بج کے عہدے سے ریٹائر ہوئے:

☆ مولانا الطاف حسین حاصل ☆ علامہ شلی نعمانی

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ماؤں پیپر ۲۰۲۶ء

اردو (آسان) (پرچہ دوم)

(تمام گروپس کے لیے)

کل نشانات : ۸۰

وقت : ۲ گھنٹے ۳۰ منٹ  
(نشانات : ۳۰)

حصہ ب، (مختصر جواب کے سوالات)

ہدایات:- تمام سوالات کے جوابات تحریر کیجیے۔

مندرجہ ذیل میں سے کسی ایک موضوع پر کہانی تحریر کیجیے۔

۱۰

☆ اتفاق میں برکت ☆ جیسی کرنی ولی بھرنی ☆ سائچ کو آئی نہیں ☆ بدی کا انجام

اس سوال میں کہانی کے لیے چار عنوانات دیے جائیں گے جن میں سے کسی ایک عنوان پر کہانی لکھنا ہوگی۔

۱۰

دودوستوں کے درمیان روز بروز بڑھتی ہوئی مہنگائی کی صورت حال پر مکالمہ تحریر کیجیے۔

یا

استاد اور شاگرد کے درمیان امتحان کے مسئلے پر مکالمہ تحریر کیجیے۔

۱۰

اس سوال میں مکالمہ لکھنے کے لیے دو عنوانات دیے جائیں گے جن میں سے کسی ایک عنوان پر تحریر کرنا ہوگا۔

اپنے دوست کو خط لکھ کر کراچی کے تفریجی مقامات کو دیکھنے کی دعوت دیجیے۔

یا

کسی اخبار کے مدیر کے نام خط لکھ کر بھلی کی اوڈ شیڈنگ کے حوالے سے عوام کو درپیش پریشانیوں کا ذکر کیجیے۔

اس سوال میں خط لکھنے کے لیے ایک رسمی اور دوسرا غیر رسمی عنوان دیا جائے گا جن میں سے کسی ایک عنوان پر خط تحریر کرنا ہوگا۔

۱۰

مندرجہ ذیل میں سے کسی ایک پیر اگراف کا اردو میں ترجمہ کیجیے۔

(i) Nature guards her secrets very cleverly. After centuries of toil and discovery, man still knows only a very small fraction of what there is to know. After centuries of attempts to master the forces of Nature, they are not fully tamed or harnessed. Her power to destroy the work of man still remains supreme.

(ii) For seven long weeks the siege went on. Food began to run short. One might have expected that this would have led to discontent or even to open mutiny, specially in a force where the men differed in race, religion and language. But this was no the case. The men put up with the hardships of the siege without complaint.

اس سوال میں نصابی کتاب سے کوئی دو اگرافی پیر اگراف دیے جائیں گے جس میں سے کسی ایک کا اردو ترجمہ کرنا ہوگا

(نشانات : ۳۰)

حصہ ج، (تفصیلی جواب کے سوالات)

۲۰

مندرجہ ذیل اقتباس کو پڑھ کر سوالات کے جواب تحریر کیجیے۔

"بعض لوگ تو صرف کتابوں کے پڑھنے کے شوق میں دور راز ملکوں کا سفر کرتے ہیں اور وہاں کے مشہور کتب خانوں کا مطالعہ کرتے ہیں۔ علی گڑھ تحریک کے مشہور بانی سر سید نے برطانیہ کے سفر میں یہ غرض بھی رکھی تھی کہ وہ برطانیہ کی لائبریریوں میں جا کر ان کتابوں کا مطالعہ کریں گے جو سوائے وہاں کے اور کہیں نہیں ملتی تھیں وہ سال بھر تک مسلسل لندن کی لائبریریوں میں کتابوں کا مطالعہ کرتے رہے۔"

۲

(الف) مندرجہ بالا عبارت کا موزوں عنوان تحریر کیجیے:

۲

(ب) علی گڑھ تحریک کے بانی کون تھے؟

۲

(ج) سر سید نے کس ملک کا سفر کیا؟

۲

(د) سر سید نے برطانیہ کے کتب خانوں میں کتنے عرصے کتب بی بی کی ہے:

۲

مندرجہ بالا عبارت کا اپنے الفاظ میں خلاصہ تحریر کیجیے:

نصابی کتاب سے کوئی ایک عبارت دی جائے گی جس میں سے تین سوالات عبارت سے متعلق ایک سوال عنوان تجویز کرنے کے لیے اور ایک سوال خلاصہ تحریر کرنے کے لیے دیا جائے گا۔

۲۰

مندرجہ ذیل میں سے کسی ایک عنوان پر مضمون تحریر کیجیے:

☆ ایک یادگار رواقہ ☆ میری پندرہ دہ کتاب ☆ معاشرے میں انصاف ضروری ہے ☆ اگر میں صدر پاکستان ہوتا

اس سوال میں چار عنوانات بالترتیب بیانیہ اظہاریہ، فکریہ اور تصویریہ مضمون لکھنے کے لیے دیے جائیں گے جن میں سے کسی ایک موضوع پر مضمون تحریر کرنا ہوگا۔

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# بورڈ آف انٹرمیڈیٹ ایجوکیشن، کراچی

انٹرمیڈیٹ ایکیزا مینیشن ماؤن پیپر ۲۰۲۶ء

اردو (آسان) (پرچہ دوم)

وقت : ۲۰ منٹ

(نstanat: ۲۰)

کل نشانات: ۲۰

(تمام گروپس کے لیے)

حصہ الف، (کیشرا انتخابی سوالات)

نوت: (i) اس حصہ میں ۲۰ جزوی سوالات ہیں۔ تمام جزوی سوالات کے جوابات مطلوب ہیں اور ہر جزو کا ایک نمبر ہے۔  
(ii) سوال یا اس کا جزو امتحانی کاپی میں لفظ مت بکھیے۔ سوال کے اصل نمبر اور جزو کے سامنے صرف مکمل جواب تحریر بکھیے۔

ا۔ مندرجہ ذیل میں سے ہر ایک کے لیے درست جواب منتخب بکھیے۔

(i) فرڈا کا رخانہ اس ملک میں واقع ہے:

برطانیہ	☆	امریکا	☆	ترکی	☆	چین	☆
تلاش	☆	تقدیر	☆	ستنیک	☆	تذیر	☆
سورہ الخلاص	☆	سورہ رعد	☆	سورہ جمعہ	☆	سورہ الاعراف	☆
مکالمہ نویسی	☆	مکتب نگاری	☆	کالم نگاری	☆	ضمون نگاری	☆

(vii) اس سے بڑھ کر انسان کا کوئی دوست نہیں:

حسن	☆	کتاب	☆	شہر	☆	دولت	☆
ڈپنڈری احمد	☆	مولانا محمد حسین آزاد	☆	سرسیدا محمد خان	☆	مولانا حافظ	☆
آگرہ	☆	دہلی	☆	بریلی	☆	میسور	☆
کریم بلی	☆	لارڈ ماونٹ بیٹن	☆	ہلہر	☆	ڈیلیوڈ بلیو ہنر	☆

(ix) کو اردو میں کہتے ہیں کہانی لکھنے اور کہانی سنانے کے لیے ضرورت ہوتی ہے:

روزمرہ	☆	محاورہ	☆	استعارہ	☆	رموز اوقاف	☆
بالواسطہ جملہ	☆	برادرست جملہ	☆	جملہ	☆	محاورہ	☆
ریڈیو	☆	ٹیلی فون	☆	ہوائی جہاز	☆	بلب	☆
برطانیہ	☆	کینڈیا	☆	جرمنی	☆	فرانس	☆

(xiii) امریکا نے اس گیس کی دریافت کی:

ہیلیم	☆	آسیجن	☆	ناشرون جن	☆	ہائیروجن	☆
تقریر	☆	مکالہ	☆	نقشہ	☆	کردار	☆
شرارت	☆	بحث	☆	تقریر	☆	تکرار	☆

(xvi) آہی ملاقات اس صفت اد کو کہا جاتا ہے:

مضمون نگاری	☆	مکتب نگاری	☆	خاکہ نگاری	☆	مکالمہ نگاری	☆
مولانا محمد حسین آزاد	☆	مرزا غالب	☆	مولانا حافظ	☆	سرسیدا محمد خان	☆
خلاصہ نویسی	☆	ترجمہ نویسی	☆	خطاط نویسی	☆	مکالمہ نویسی	☆
مختصر	☆	دوگنا	☆	دوہنائی	☆	ایک تہائی	☆
ائزما	☆	شہد	☆	مجھلی	☆	گوشت	☆

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**

**MODEL PAPER 2026**

According to New Book

**ENGLISH NORMAL PAPER - I**

**Max. Marks: 80**

**(All Groups)**

**Time: 2 hours 40 minutes**

**SECTION 'B'**

**(SHORT-ANSWER QUESTIONS)**

**(40 Marks)**

**NOTE:** Attempt **Six** part-questions from Section B-I and **Four** part-questions from Section B-II. All part-questions carry equal marks.

**SECTION B-I (Reading Comprehension, Poetry and Play)**

2. i) How can Pakistan be made prosperous in the light of the Quaid's vision?  
ii) What efforts were made to find Mme Forestier's necklace?  
iii) What do you mean by technological revolution?  
iv) Why is self-reliance important for one's development?  
v) Write central idea of the poem 'The Character of a Happy Life.'  
vi) Describe the theme of the message-oriented poem 'Don't Quit.'  
vii) Point out with examples the poetic devices used in the poem 'Ozymandias'?  
viii) How is media depicted in the play 'A Visit to a Small Planet'?  
ix) Who is General Powers? What is his role in the play 'A Visit to a Small Planet'?  
x) How did Aide describe Kreton's spaceship?

**SECTION B-II (Grammar)**

xi) Proofread the following passage and rewrite it:  
I am going at the store to bring breed butter eggs and milk. I will be back in just one hour do you want to come with me I asked my friend.  
xii) Insert suitable modal verb according to the instruction given in bracket:  
a) He \_\_\_\_\_ play tennis very well when he was young. (Past Ability)  
b) You \_\_\_\_\_ use mobile in the exam hall. (Prohibition)  
c) She \_\_\_\_\_ speak three languages fluently. (Ability)  
d) You \_\_\_\_\_ try this cake, it's delicious. (Recommendation)  
xiii) Change the narration.  
a) 'Please turn down the music,' my roommate said.  
b) The teacher asked the students, 'Can anyone tell me the capital of Italy?'  
c) Hussain said, 'Wow, I have got the job!'  
d) 'Let's go to the beach this weekend,' he said to the family.  
xiv) Fill in the blanks by selecting the appropriate word from the box.  
impact – effect – threat – affect  
a) The new policy will \_\_\_\_\_ all employees.  
b) The scientist studied the \_\_\_\_\_ of climate change on polar bears.  
c) The teacher's words had a profound \_\_\_\_\_ on the students.  
d) Climate change poses a serious \_\_\_\_\_ to coastal regions.  
xv) Do as directed:  
a) The chef prepared a delicious meal. (Change the Voice)  
b) If I won lottery, ..... (complete the sentence)  
c) She studies seriously. (Put the adverb 'seldom' in the right place)  
d) The road was blocked. We took another route. (Make a compound sentence)

**SECTION 'C' (DETAILED-ANSWER QUESTIONS)**

**(40 Marks)**

**NOTE:** Answer all questions from this section. All questions carry equal marks.

3. Compose a covering letter and CV for the Data Scientist position.

4. Write an essay to compare and contrast on any **ONE** of the following:

a) Traditional Arts v/s Digital Arts      b) Public Colleges v/s Private Colleges  
c) Team Sports v/s Individual Sports      d) Oriental Food v/s Occidental Food

5. Write a formal report on 'Anti-corruption Day' celebrated in your college.

**OR**

Write a narrative account about the remarkable achievement of your life.

6. **SEEN COMPREHENSION**

Read the following passage and answer the questions that follow:

A school of fish swarm by, each fish with its small, individual shadow, doubling the attendance, so clear and sharp in the sunlight. Some of the other campers were in swimming, along the shore, one of them with a cake of soap, and the water felt thin and clear and insubstantial. There had been peace and goodness and jollity.

i) Write the title and the writer of the given passage. 1  
ii) Identify the two activities of the campers. 1  
iii) Which three features of the lake are praised by the writer? 2  
iv) Classify the word class of the following words:  
a) each      b) and      c) water 3  
v) Define the following phrases:  
a) a school of fish      b) in the sunlight      c) a cake of soap 3

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**

**MODEL PAPER 2026**

According to New Book

**ENGLISH NORMAL PAPER - I**

(All Groups)

Time: 20 minutes

Max. Marks: 20

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

Marks : 20

**NOTE:** i) This section consists of 20 part questions and all to be answered. Each part question carries one mark.  
ii) Do not copy the part questions in your answerscript. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) Identify the verb that is not regular:  
\* explain      \* attend      \* buy      \* close

ii) In the sentence 'The child ate the cake.' The underlined verb is:  
\* transitive      \* intransitive      \* auxiliary      \* modal

iii) In the sentence 'The child ate quickly.' The underlined verb is:  
\* transitive      \* intransitive      \* auxiliary      \* modal

iv) The prefix 're' in the word 're-connect' means:  
\* like      \* same      \* again      \* very

v) This suffix can be added to the word 'hope' meaning full of hope:  
\* able      \* ness      \* less      \* ful

vi) The word 'fragile' used in the play 'A Visit to a Small Planet' means:  
\* strong      \* weak      \* fat      \* thin

vii) Spelding wants Kreton to stay in:  
\* America      \* his house      \* rose garden      \* study room

viii) General Powers did not believe in the words of:  
\* Spelding      \* John      \* Ellen      \* Kreton

ix) Scene II of the play "A Visit to a Small Planet" is set in this room:  
\* bed      \* dinning      \* living      \* study

x) Kreton appears to be in his:  
\* twenties      \* thirties      \* forties      \* fifties

xi) The word 'sage' used in the text 'Pearls of Wisdom' means:  
\* confident      \* helpful      \* bold      \* wise

xii) Choosing a career requires:  
\* skill      \* struggle      \* interest      \* experience

xiii) Singapore is called 'Mr. Clean' because of:  
\* greenery      \* cleanliness      \* fountains      \* wide streets

xiv) The phrase 'coloured people' used in the text 'Struggle for an Education' referred to people who are:  
\* white      \* wheatish      \* black      \* red

xv) According to Emerson, nothing can bring you peace but....:  
\* herself      \* himself      \* yourself      \* themselves

xvi) 'You might succeed with another blow.' This line is taken from the poem:  
\* Ozymandias      \* Don't Quit      \* Lucy Gray      \* Good Timber

xvii) 'The lone and level sands stretch far away,' is an example of this poetic device:  
\* irony      \* simile      \* metaphor      \* alliteration

xviii) The poet chanced to see Lucy in the:  
\* night      \* evening      \* afternoon      \* morning

xix) 'In trees and men good timbers.....(complete the line of Good Timber):  
\* die      \* grow      \* wither      \* perish

xx) The shepherd of the Abbot of Canterbury brought this thing for him from good King John:  
\* praise      \* money      \* gift      \* pardon

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**

**MODEL PAPER 2026**

According to New Book

**ENGLISH (C) NORMAL PAPER - II**

Max. Marks: 80

(All Groups)

Time: 2 hours 40 minutes

**SECTION 'B'**

**(SHORT-ANSWER QUESTIONS)**

**(Marks : 40)**

**NOTE:**

Attempt **Six** part-questions from Section B-I and **Four** part-questions from Section B-II. All part-questions carry equal marks.

**SECTION B-I (Prose, Poetry and Novel)**

2. i) How does Martin Luther King describe the current condition of African Americans despite the promises made a century earlier?  
ii) What moral lessons can be drawn from the story 'Icarus and Daedalus'?  
iii) What urged Pahom to abandon his well settled life and desire for more land?  
iv) Why do you think W.H. Auden want to stop all clocks and silence everything?  
v) How does Allama Iqbal depict the theme of innocence and simplicity in the poem 'The Age of Infancy'?  
vi) Which poetic devices are used in the poem 'If' by Rudyard Kipling? Give examples.  
vii) What happens to Pip when he meets the pale young gentleman?  
viii) What role does Miss Havisham play in Pip's apprenticeship?  
ix) How does Estella treat Pip when they first meet and in what ways does this encounter influence his self-image?  
x) Does Pip feel proud or ashamed when he learns that Magwitch is his benefactor? Describe his reaction.

**SECTION B-II (Grammar)**

xi) Match any **FOUR** of the following word / phrasal verbs of column "A" with the meaning in column "B":

<b>Column 'A'</b>	<b>Column 'B'</b>
keep it up	shrewd
segregation	managing
cunning	harmony
getting on	being apart
symphony	continue

xii) Use any **Four** of the following idioms in sentences:  
go viral, bite the bullet, spill the beans, a short fuse,  
once in a blue moon, ghost someone, a fish out of water,  
xiii) Complete the following conditional sentences:  
a) If water reaches 100 degree Celsius, \_\_\_\_\_.  
b) She will join us if \_\_\_\_\_.  
c) If I were you, \_\_\_\_\_.  
d) They would not have failed if \_\_\_\_\_.  
xiv) Do as directed:  
a) I have three favourite sports hockey soccer and tennis. (Punctuate)  
b) This is the girl. She won the speech competition. (Make a compound sentence using coordinating conjunction.)  
c) They have completed the project (Change the voice)  
d) He said to me, 'Do you like coffee?' (Change the narration)  
xv) Spot the errors and rectify the following faulty expressions:  
a) She is more smarter than her sister. b) Each boy must submit their homework.  
c) He prefers coffee than tea. d) He is known to me for ten years.

**SECTION 'C' (DETAILED-ANSWER QUESTIONS) (Marks : 40)**

**NOTE:**

Answer all questions from this section. All questions carry equal marks.

3. Write a personal statement to seek admission in MBA on scholarship at the University of Southampton, England.

**OR**

Write an email to your class teacher explaining the reason for your absence from college and requesting permission to submit the missed assignment

4. Write an essay on any **One** of the following topics:

i) Is fast food responsible for health issues among teenagers?  
ii) Is our Examination System a true test of intelligence?  
iii) Analyze how smart phones affect study habits.  
iv) Analyze how AI has changed the way students learn.

5. Translate the following paragraph into Urdu or Sindhi.

Courage means being brave even when we are scared. A firefighter shows courage by saving people from the fire. A student shows courage by speaking in front of the class. A doctor shows courage by treating sick people. A soldier shows courage by defending the country. Courage helps us to do the right thing, even when it is hard. Courage makes us stronger and effective.

Continued on next page.....

**According to New Book**

**6. UNSEEN COMPREHENSION**

Read the following passage given below and answer the questions that follow:

**OR**

Make a précis of the following passage and suggest a suitable title to it:

Getting invited to an interview means you have passed the first hurdle. Your application must have made a good impression. Now you need to prepare yourself for an interview to make sure that you make the most of this opportunity. There are a number of things you can do. Firstly, you can do some research and find out about the employer and the job. Ask for information pack or speak to people who work for the company. Prepare for questions you might be asked. Some common ones are the reasons why you want the job. Whether you have done this kind of work before? Another important point is never to run the risk of arriving late. For example, considering making a dummy run in advanced to see how long the journey will take. It is also crucial to give plenty of thoughts to what you are going to wear. This will depend on the job you are applying for. There is no need to buy a new outfit, but aim to look neat and tidy. You need to make a good impression.

i) Name two things you can do to prepare for an interview according to the passage.	<b>2</b>
ii) Why is it important to plan your journey to the interview in advance?	<b>2</b>
iii) Classify the word class of the following words. a) opportunity      b) new      c) prepare	<b>3</b>
iv) Point out one regular and one irregular verb.	<b>2</b>
v) Suggest suitable title to the passage.	<b>1</b>

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**

**MODEL PAPER 2026**

**According to New Book**

**ENGLISH (C) NORMAL PAPER – II**

**Max. Marks: 20**

**(All Groups)**

**Time: 20 minutes**

**SECTION 'A'  
(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**Marks : 20**

**NOTE:**

i) This section consists of 20 part questions and all are to be answered. Each part question carries one mark.  
ii) Do not copy the part questions in your answer book. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) The proverb “No pain, No gain” means:  
\* avoid pain \* success is easy  
\* hard work brings success \* avoid success

ii) Choose a prefix to make opposite of the word ‘stabilize’: \* de \* dys \* dis \* pre

iii) Choose a suffix for the verb ‘preach’ to change it into a noun:  
\* ion \* eer \* er \* ent

iv) He stayed at home because it was raining, the underlined part is:  
\* adjectival phrase \* adjectival clause \* adverbial clause \* phrasal verb

v) In the sentence ‘Maria loves her cat’, the word ‘her’ is this type of reference:  
\* exophoric \* endophoric \* anaphoric \* cataphoric

vi) Estella treated Pip during their first meeting:  
\* kindly \* admiringly \* fearfully \* with disdain

vii) Pip’s ‘great expectations’ mainly comes from:  
\* hard work \* wealth and social advancements  
\* inheritance from Joe \* poverty

viii) The central theme of the novel is:  
\* social class and personal growth \* adventure  
\* war and destruction \* romance

ix) Magwitch is Pip’s:  
\* lawyer \* cousin \* secret benefactor \* roommate in London

x) Miss Havisham is known for always:  
\* running a school \* helping Pip’s family  
\* wearing her wedding dress \* loving her children

xi) Leo Tolstoy’s story teaches about:  
\* greed \* love \* friendship \* courage

xii) Icarus fell because he:  
\* flew low \* flew high \* stopped flying \* obeyed

xiii) Martin Luther King’s stance on violence was to:  
\* use it carefully \* reject and promote non-violence  
\* ignore it \* support it

xiv) According to Russell, happiness mainly comes from:  
\* wealth \* power  
\* healthy interests in life \* luck

xv) A major economic impact of climate change is:  
\* more forests \* job growth \* higher poverty \* fewer storms

xvi) According to poet, one of the following actions causes a person to die slowly:  
\* traveling frequently \* avoiding routine activities  
\* failing to change habits \* seeking advice from others

xvii) In the poem, Sur Sasui the poet teaches us:  
\* patriotism \* greed \* adventure \* love and devotion

xviii) Allama Muhammad Iqbal was a renowned poet and:  
\* Mathematician \* Humorist \* Philosopher \* Playwright

xix) The tone of the poem ‘Stop All Clocks’ is:  
\* optimistic \* satirical \* melancholic \* humorous

xx) The poem, ‘If’ advises to remain calm during:  
\* success and failure \* sleep \* sadness \* travel

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

## **MODEL PAPER 2026**

## ISLAMIC EDUCATION (COMPULSORY)

Max. Marks: 10

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**(For All Groups)**

Time: 15 minutes

## According to New Book

## **SECTION 'A'**

## **(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks: 10**

**NOTE:** i) This section consists of 10 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

- i) The literary meaning of Quran is :
  - \* to read
  - \* to listen
  - \* to write
  - \* to speak
- ii) Almighty Allah taught Hazrat Adam (A.S.) the names of all:
  - \* skies
  - \* lands
  - \* things
  - \* fruits
- iii) The second source of Islam is:
  - \* Quran
  - \* Sunnah
  - \* Ijma
  - \* Qiyas
- iv) Surah Anfal ﴿۸﴾ was revealed at the time of war:
  - \* Badr
  - \* Uhud
  - \* Ahzab
  - \* Khyber
- v) Believing in the Oneness of Allah in His essence and attributes is called:
  - \* Aqida
  - \* Emaan
  - \* Tawakkal
  - \* Tauheed
- vi) The word Nabuwat ﴿نَبْوَاتٌ﴾ means:
  - \* give message
  - \* give order
  - \* to choose
  - \* to give news
- vii) Which thing of Holy Quran distinguishes it from other books:
  - \* Protection
  - \* Thickness
  - \* Oldness
  - \* Newness
- viii) The first Islamic state was established in:
  - \* Madinah
  - \* Makkah
  - \* Quba
  - \* Taif
- ix) According to Hadith one of the rights of a Muslim over another Muslim is:
  - \* unimportant
  - \* in difference
  - \* replying of salam
  - \* to do friendship
- x) The book compiled by Hazrat Imam Malik (R.A.) is:
  - \* Kitab-ul-Asaar
  - \* Masnad-e-Ahmed
  - \* Aljama-e-Sagheer
  - \* Moata

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# بورڈ آف انٹر میڈیا ایجو کیشن، کراچی

انٹر میڈیا ایجنسیشن ۲۰۲۲ء (ماؤنپر)

اسلامی تعلیم (لازی)

(تمام گروپس کے لئے)

وقت: اگست ۲۵ منٹ

(کل نشانات: ۲۰)

کل نشانات: ۲۰

حصہ ب: (ختصر جواب کے سوالات)

**SECTION "B" (Short - Answer Questions) (20 Marks)**

Note: Answer all questions from this section.

نوت: اس حصہ سے تمام سوالات کے جوابات تحریر کیجئے۔

۲۔ (الف) مندرجہ ذیل قرآنی آیات میں سے کسی چار کا اردو، سندھی یا انگریزی میں ترجمہ کیجئے:-

۸

2. a) Translate any **Four** of the following Quranic in Urdu, Sindhi or English: 8

ذلیک الکتب لاربیت <sup>۱۰</sup> فیہ <sup>۱۱</sup> مَدْیٰ لِلْمُشْقِنِ <sup>۱۲</sup>

وَمِنَ النَّاسِ مَنْ يَقُولُ أَمَّا بِاللَّهِ وَبِالْيَوْمِ الْآخِرِ وَمَا هُمْ بِمُؤْمِنِينَ <sup>۱۳</sup>

يَأْتِهَا النَّاسُ اعْبُدُوا رَبِّنِمُ الَّذِي خَلَقُوكُمْ وَالَّذِينَ مِنْ قَبْلِنَا لَعَلَّنَمْ تَكَبُّنُونَ <sup>۱۴</sup>

وَالَّذِينَ كَفَرُوا وَكَذَّبُوا بِآیَاتِنَا أَوْ لَيْكَ أَصْحَبُ النَّارِ <sup>۱۵</sup> هُمْ فِيهَا خَلِدُونَ <sup>۱۶</sup>

لَرَبِّكُمْ تَسْتَعْفِفُونَ رَبِّكُمْ مَا شَاءَ لَكُمْ أَنْ مُؤْمِنُكُمْ بِاللَّهِ مِنَ الْمُلْكَةِ مُرْوِفُونَ <sup>۱۷</sup>

وَاعْلَمُوا أَنَّمَا الْكُمْ وَأَكَادُكُمْ فِتْنَةٌ <sup>۱۸</sup> وَأَنَّ اللَّهَ عِنْدَهُ أَجْزَاءُ عِلْمٍ <sup>۱۹</sup>

يَأْتِيَ الَّذِينَ اسْتَوْا إِذَا لَقِيْتُمُهُنَّا ذَكْرُهُ وَاللَّهُ كَيْفِيْرَا أَعْلَمُكُمْ تُغْلِبُونَ <sup>۲۰</sup>

وَإِنْ هَنَّوْا لِلْسَّلَمِ فَاجْنَحْنَهُمْ لَهُمْ تَوْكِنُ عَلَى اللَّهِ <sup>۲۱</sup> إِنَّهُ هُوَ السَّيِّدُ الْعَلِيُّ <sup>۲۲</sup>

مندرجہ ذیل احادیث میں سے کسی دو کا اردو، سندھی یا انگریزی میں ترجمہ کیجئے:-

۷

2. b) Translate any **Two** of the following Hadith: 4

لَا يُؤْمِنُ أَحَدُكُمْ حَتَّى يَكُونَ هَوَاهُ تَهْمَالِهِا جِئْتُ بِهِ -

مَنْ أَحْيَا سُبْقِيْقَ فَقَدْ أَحْيَنِيْ، وَمَنْ أَحْيَنِيْ كَانَ مَعِنِيْ فِي الْجَهَنَّمِ -

مَنْ أَحَبَّ أَنْ يُسْطَلِّهِ فِي رِزْقِهِ، وَأَنْ يُسَأَّلَهُ فِي أَثْرِهِ فَلَيَصِلْ رَحِيْمَهُ -

**مَنْ صَنَّتْ تَجَأْ -**

۸

مندرجہ ذیل میں سے چار جزوی سوالات کے جوابات تحریر کیجئے۔ تمام جزوی سوالات کے نشانات مساوی ہیں۔

3. Answer **Four** part questions from the following. All part questions carry equal marks. 8

قرآن مجید کے کوئی چار صفاتی نام اور ان کا مفہوم لکھیں۔ (i)

i) Write any four characteristics of Holy Quran with meanings.

میانہ روی کا کیا مطلب ہے اور اس کے فوائد کیا ہیں۔ (ii)

ii) What does moderation mean, describe its benefits.

حدیث کے مطابق خاموشی کے چار فوائد بیان کیجئے۔ (iii)

iii) Write four benefits of 'Silence' according to Hadith.

نماز کی شرائط بیان کیجئے۔ (iv)

iv) Describe the condition of 'Salaat'.

حضورِ کریم ﷺ بطور منتظم کیا تبلیغیں لائے۔ (v)

v) What changes has brought the Holy Prophet ﷺ as a Head of the state?

صبر کی اقسام تحریر کریں۔ (vi)

vi) Write the types of Patience (Sabr).

اللَّهُ تَعَالَى نے حضرت آدمؑ کو دیگر مخلوقات پر کس طرح فضیلت دی۔ (vii)

vii) How Almighty Allah gave superiority to Hazrat Adam (A.S) over the other creatures?

مُؤْمِنُوں کے لیے کوئی سی چیزیں آزمائش ہیں۔ (viii)

viii) What things are trial for believers?

(کل نشانات : ۲۰)

حصہ 'ج' (تفصیلی جواب کے سوالات)

**SECTION "C" (Detailed - Answer Questions)**

**(20 Marks)**

نوت:- اس حصہ سے دو سوالات کے جوابات تحریر کیجئے۔ تمام سوالات کے نشانات مساوی ہیں۔

Note: Answer any two questions from this section. All questions carry equal marks.

۳۔ عقیدہ توحید کیا ہے انسانی زندگی پر اس کے اثرات بیان کریں۔

4. What is the belief in Tawheed (Oneness), describe its effects on human life

OR

یا

صوم کے کہتے ہیں۔ قرآن و حدیث کی روشنی میں صوم کی اہمیت اور فوائد بیان کریں۔

What is 'Saum'? Describe the importance of 'Saum' in the light of Holy Quran and Hadith and also its benefits

۵۔ حضور کریم صلی اللہ علیہ وآلہ وسلم بحیثیت رحمۃ للعلیمین پر مفصل نوٹ تحریر کیجئے۔

5. The Holy Prophet ﷺ is the mercy for the universe, (رحمۃ للعلیمین) write in detail.

۶۔ کسی دو پر مختصر نوٹ تحریر کیجئے۔

عورتوں کے حقوق      ☆      امام جعفر صادقؑ      ☆      مذہبیں قرآن      ☆

6. Write short note on any Two of the following:

*      Compilation of Holy Quran	*      Justice and Equality
*      Rights of Women	*      Hazrat Imam Jaffer Sadiq (R.A.)

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

انٹرمیڈیٹ ایگزامینیشن ۲۰۲۶ء (ماڈل پیپر)

اسلامی تعلیم (لازی)

(تمام گروپس کے لئے)

وقت : ۱۵ منٹ

کل نشانات : ۱۰

(نشانات : ۱۰)

حصہ 'الف' (کثیر الانتخابی سوالات)

نوت: (i) اس حصہ میں دس جزوی سوالات ہیں۔ تمام جزوی سوالات کے جوابات مطلوب ہیں اور ہر جزو کا ایک نمبر ہے۔  
(ii) اپنی جوابی کاپی میں جزوی سوال نقل نہ کیجئے۔ سوال اور اس کے جزو کا درست نمبر پر چکر کے مطابق لکھ کر صرف مکمل جواب تحریر کیجئے۔  
ا۔ مندرجہ ذیل میں سے ہر ایک کے لئے درست جواب منتخب کیجئے:-  
(a) لفظ 'قرآن' کے معنی ہیں:

بولنا	☆	لکھنا	☆	سننا	☆	پڑھنا	☆
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(ii) حضرت آدم علیہ السلام کو نام سکھائے گئے:

میوہ جات کے	☆	تمام چیزوں کے	☆	زمینوں کے	☆	آسمانوں کے	☆
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(iii) سورہ 'الانفال' اس موقع پر نازل ہوئی:

جگِ خبر	☆	جگِ خدق	☆	جگِ احمد	☆	جگِ بدر	☆
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(iv) اسلام کا دوسرا مأخذ ہے:

قياس	☆	اجماع	☆	سنن	☆	قرآن	☆
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(v) اللہ تعالیٰ کو اس کی ذات و صفات میں واحد نامے کا نام ہے:

توحید	☆	توکل	☆	عقیدہ	☆	ایمان	☆
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(vi) 'نبوٰت' لفظ کے معنی ہیں:

خبر دینا	☆	انتخاب کرنا	☆	حکم کرنا	☆	پیغام پہچانا	☆
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(vii) قرآن کریم کو کوئی چیز دوسری کتابوں سے ممتاز کرتی ہے:

جدت	☆	قدامت	☆	خدمت	☆	حفاظت	☆
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(viii) اسلام کی پہلی ریاست قائم ہوئی:

طائف میں	☆	قبائل میں	☆	مکہ مکرمہ میں	☆	مدینہ منورہ میں	☆
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(ix) حدیث کے مطابق مسلمان کے مسلمان پر حقوق میں سے ہے:

دوستی کرنا	☆	سلام کا جواب دینا	☆	لائقی کرنا	☆	اہمیت نہ دینا	☆
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(x) حضرت امام مالکؓ کی مرتب شدہ کتاب ہے:

موطا	☆	الجامع الصغير	☆	منسند احمد	☆	کتاب الآثار	☆
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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

## **PAKISTAN STUDIES (COMPULSORY)**

Max. Marks: 40

### (All Groups)

Time: 1 hour 45 minutes

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)** (20 Marks)

**Note:** Answer any **Five** part questions. All part questions carry equal marks.

OR

Describe the role of Judiciary in protecting fundamental right of citizens.

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS) (20 Marks)**

**Note:** Answer any **Two** questions from this Section. All question carry equal marks.

3. Role of All India Muslim League in the creation of Pakistan.
4. Write in detail the geo-economic significance of Pakistan Geography.
5. What is the importance of customs in culture of Pakistan?

OR

Write the reasons behind economic instability in Pakistan.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**PAKISTAN STUDIES (COMPULSORY)**

Max. Marks: 10

Time: 15 minutes

(All Groups)

**SECTION 'A'**

**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks: 10**

**NOTE:** i) This section consists of 10 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) He was the first to use the word 'Nation' for the Muslims of the sub-continent:  
\* Sir Syed Ahmed Khan \* Shah Waliullah  
\* Shaikh Ahmed Sirhindi \* Syed Ameer Ali

ii) The foundation of the United Nations was laid in the year:  
\* 1935 \* 1940 \* 1945 \* 1950

iii) Lucknow pact was signed in the year:  
\* 1914 \* 1915 \* 1916 \* 1917

iv) The number of members of the National Assembly of Pakistan is:  
\* 142 \* 242 \* 342 \* 442

v) The highest Civil award in Pakistan is:  
\* Nishan-e-Pakistan \* Nishan-e-Haider  
\* Tamgha-e-Imtiaz \* Tamgha-e-Basalat

vi) The last Mughal emperor of India was:  
\* Jalaluddin Akbar \* Bahadur Shah Zafar  
\* Nooruddin Jahangir \* Aurangzeb Alamgir

vii) The demand for the establishment of Pakistan was based on:  
\* Hindu-Muslim Conflict \* Nationalism  
\* Two Nation Theory \* Development of Muslims

viii) Quaid-e-Azam University is located at:  
\* Quetta \* Islamabad \* Peshawar \* Lahore

ix) The first five year plan was launched in the year  
\* 1950 \* 1955 \* 1960 \* 1965

x) The Cabinet Mission visited South Asia in the year:  
\* 1944 \* 1945 \* 1946 \* 1947

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

## انٹرمیڈیٹ ایگزامینیشن

موڈل پیپر 2026

مطالعہ پاکستان (لازمی)

وقت : اگھنہ ۳۵ منٹ

(تمام گروپس کے لئے)

کل نشانات : ۲۰

### حصہ ب، (مشترک جواب کے سوالات) (نشانات : ۲۰)

نوت:- مندرجہ ذیل میں سے کسی پانچ جزوی سوالات کے جوابات تحریر کیجئے۔ تمام جزوی سوالات کے نشانات مساوی ہیں۔

۱۔ اسلام سے قبل جنوبی ایشیاء کے سماجی، سیاسی اور معاشی حالات ہر نوٹ لکھیجئے۔

(i) نظریہ پاکستان کو قائدِ اعظم یا علامہ اقبال کے فرمان کی روشنی میں بیان کیجئے؟

(ii) ۱956، ۱962 یا ۱973 میں سے کسی ایک ائمین کی چار اسلامی دفعات بیان کیجئے۔

(iii) پاکستان میں لگنے والے کسی بھی ایک مارشل لاء کی وجوہات بیان کیجئے۔

(iv) پاکستان میں ضلعی انتظامیہ کے ماتحت کسی چار حکمتوں کے نام تحریر کیجئے۔

(v) پاکستان میں بولی جانے والی کسی ایک زبان پر نوٹ تحریر کیجئے۔

(vi) پاکستان کن چار بین القوامی اداروں کا کرکن ہے نام تحریر کیجئے۔

(vii) ریاست کے عناصر بیان کیجئے۔

یا

پاکستان میں شہریوں کے بنیادی حقوق میں عدالت کا کردار بیان کیجئے۔

### حصہ ج، (تفصیلی جواب کے سوالات) (نشانات : ۲۰)

نوت:- مندرجہ ذیل میں سے کسی دو سوالات کے جوابات تحریر کیجئے۔ تمام سوالات کے نشانات مساوی ہیں۔

۱۔ قیام پاکستان میں آل انڈیا مسلم لیگ کا کردار بیان کیجئے۔

۲۔ پاکستان کے محل و قوع کی جغرافیائی اور معاشی اہمیت بیان کیجئے۔

۳۔ پاکستان کی ثقافت میں رسمات کی کیا اہمیت ہے بیان کیجئے۔

یا

پاکستان کی معيشت غیر مستحکم ہونے کی وجوہات بیان کیجئے۔

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# بورڈ آف انٹرمیڈیٹ ایجو کیشن، کراچی

## انٹرمیڈیٹ ایگزامینیشن

ماڈل پیپر ۲۰۲۶ء

مطالعہ پاکستان (لازی)

(تمام گروپس کے لئے)

وقت : ۱۵ منٹ

کل نشانات: ۱۰

(نشانات: ۱۰)

حصہ 'الف' (کثیر الامتحابی سوالات)

نوت: (i) اس حصہ میں ۱۰ جزوی سوالات ہیں۔ تمام جزوی سوالات کے جوابات مطلوب ہیں اور ہر جزو کا نشان ایک ہے۔  
(ii) اپنی جوابی کاپی میں جزوی سوال نوٹس نہ کبھی۔ سوال اور اس کے جزو کا درست نمبر پر چھ کے مطابق لکھ کر صرف مکمل جواب تحریر کبھی۔

۱۔ مندرجہ ذیل میں سے ہر ایک کے لئے درست جواب منتخب کبھی۔

(a) انہوں نے سب سے پہلے بر صیر کے مسلمانوں کے لئے لفظ قوم استعمال کیا:

☆ سر سید احمد خان ☆ شاہ ولی اللہ ☆ سید امیر علی

(ii) اقوام متحده کی داع غبیل اس سن عیسوی میں ڈالی گئی:

1950 ☆ 1945 ☆ 1940 ☆ 1935 ☆

میثاقِ لکھنؤ پر اس سن عیسوی میں دستخط ہوئے: (iii)

1917 ☆ 1916 ☆ 1915 ☆ 1914 ☆

(iv) پاکستان کی قومی اسمبلی کے ممبران کی تعداد ہے:

442 ☆ 342 ☆ 242 ☆ 142 ☆

(v) پاکستان کا سب سے بڑا سول ایوارڈ ہے:

☆ نشانِ پاکستان ☆ تمغہِ امتیاز ☆ نشانِ حیدر ☆ تمغہِ بسالت

(vi) ہندوستان کا آخری مغل بادشاہ تھا:

☆ جلال الدین اکبر ☆ ہادر شاہ ظفر ☆ ورالدین جہانگیر ☆ اور نگ زیب عالمگیر

(vii) قیام پاکستان کے مطالبہ کی بنیاد تھی:

☆ ہندو مسلم تنازعہ ☆ قومیت ☆ دو قومی نظریہ ☆ مسلمانوں کی ترقی

(viii) قائدِ اعظم یونیورسٹی یہاں واقع ہے:

☆ کوئٹہ ☆ اسلام آباد ☆ پشاور ☆ لاہور ☆

(ix) پہلے پانچ سالہ منصوبہ کا آغاز اس سن عیسوی میں ہوا:

1965 ☆ 1960 ☆ 1955 ☆ 1950 ☆

(x) کابینہِ مشن اس سال جنوبی ایشیاء آیا:

1947 ☆ 1946 ☆ 1945 ☆ 1944 ☆

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# لیورڈ آف انٹرپریٹ ایجوکیشن کراچی

انٹرپریٹ ایجوکیشن میڈیا سیر ۲۰۲۶

کل مارکوں: ۲۵

(سینی گروپ لائی)

وقت: ۱۵ مئی

## سندی لارمی

### حصہ الف (کثیر الک تخلیقی سوال)

لئے:- راء ہن حصی پر ویہ جزوی سوال ہے۔ سینی سوال جا ہو بے قبول ہے  
ہر ہے سوال جو ہے مارٹ ہے۔

رہنے پہنچی جو اب یا ٹاپیا می جزوی سوال کی نقل نہ کر بے سوال ہے ان جوی  
جز کا جو درست پسپر مطابق تکی صرف مکمل جواب تحریر کرو۔

۱۔ ھیئت مان ہر ہے جی لائے درست جواب جی پونہ کر بے۔

لہ آکیون ڈا ڈیٹ، جی اسٹلائی معنی ہے۔

\* آکیہ پر کڈونہ پوٹ \* نظر ختنہ شیٹ

\* نظر سست تین \* نامر خریفہ تین

(۲) حمید فتح محمد سیوھائی ادی بولیا جون خوبیوں بیان کیون ہے۔

\* سست

\* نظر

\* یارہنہ

(۳) سچ چاٹ پشیان غائب تی ویو ہو، ڈنل سست مان کھائیکار جی مراد ہے۔

\* سچ تی ویو \* جھتر تی ویو

\* رات تی ویو \* سچ لعی ویو

(۴) عطا یا جو تیہوں در پر لیکت جو اندھہ بیان ہے۔

\* من اسیہر

\* جا سو سی

\* ناس سی

\* اصل حصی

(۵) مقدمہ لطیفی، کتاب تکلیل آرہی۔

\* غالیہ محمد شاہوای

\* داکت نبی لامش بلوچ

(۶) ہیت ڈنل کھٹی پر تبا، لہائی لفظ نہندہ۔

\* سوال

\* کمال

\* جمال

\* نر وال

«مُلْسَنْدَر»

(vii) پھرینا سئی قی ملکايو و پندو آرھی :

\* والدین جو ڈینھن \* بارن جو ڈینھن

\* مزدورن جو ڈینھن \* عورتن جو ڈینھن

(viii) لائے کھاٹی تکیل آرھی :

\* جمال ابرو \* نجھر عباسی

\* ایاز خادمی \* نسیم کمل

(ix) دنگی لفظ جی معنی آرھی :

\* جہاز \* بہری

\* چشم \* آئندی

(x) الطاف شیخ جی ادی سجاٹ آرھی :

\* کھاٹکار \* ناول نثار

\* ڈراما شار \* سفرنا ما شار

(xi) نثار لفظ جی معنی آرھی :

\* بھریا جہاز جو سامان \* بھریا جہاز جو کھاڑ

\* بھریا جہاز جو مسافر \* بھریا جہاز جو بیہن

(xii) ہی بیت آرھی: ویرخیو وتن پرت نہ چن پان ہو، پس پیئرٹن، مارٹھا ہیٹ گھوٹو.

\* سر ذہر جو \* سر سارنگ جو

\* سر سامونڈی جو \* سر کھیڑاو جو

(xiii) کافی جو بادشاہ سٹیو ویندو آرھی :

\* سا میا کیا \* سچل سرست کیا

\* شیخ ایاض کیا \* مصری شاہ کیا

(xiv) مرشی جو بادشاہ سٹیو ویسیہ نق :

\* سر ناہت علی شاہ \* مزد تعلیج بیک

\* شاہ عبدالمطیف پشاوری \*

\* سا گلی

(xv) غزل ہے مقطع پھو آرھی :

\* پھرینہ شحر کیا \* فیضیہ شحر کیا

\* آرخی شحر کیا \* سینی شحر کیا

٣ - سندی لارسی ماجل پیغمبر

(۲۷۷) پوچھیں چند لارسیں، کتاب تکلیل آرہی،

\* داکٹر سحر احمد \* امراد حسینی

\* شیخ ایاز \* استاد بخاری

(۲۷۸) نہج نظم سو دیس معاشر منہجیو ٹیجی، آرہی،

\* استاد بخاری ہو \* شیخ ایاز

\* تقویں عباسی \* سعیدی

(۲۷۹) دنگی منہج دریا، درامو تلیل آرہی،

\* علی بابا \* نجم عباسی

\* ایاز قادری \* جمال ابتو

(۲۸۰) پا کستا فی قومیت جو مقصد، تقریر جو من آرہی،

\* قادر اعظم جی \* لیاقت علی خان جی

\* ذوالفقار علی یقچی \* بنیظیر یقچی

(۲۸۱) شاہ عبد اللطیف پیتا یا جی سُرن جو تعداد آرہی،

25 \*

20 \*

40 \*

30 \*

# لور آف انڈو ہندوستان آئی ہو کیش کر لیجی

## انڈو ہندوستان آئی ہو کیش ماجل سر ۴۰۴۶

کل مارکوں ۰

(سینی گروپن جی لاء)

سنڈی لائز صی

وقت: ۱۰ کلک ۱۰ مئی

### حصو نبہ (مختصر جواب جا سوال) (مارکوں ۰۰)

نوت:- ہن حصی مان کن ہر چئن جزوی سوالن جا جواب تحریر کریو۔ سینی سوالن جوں مارکوں مساوی ہوں۔

(۱) ہیئن مان کھن ہہ "شاعر جو مختصر تعارف ہو۔

\* شاہ عبد اللطیف یتائی ر

\* شیخ ایاڑ

\* استاد بخاری

\* ساجل سر صفت

(۲) یورھیت جو عالمی ڈینف پھر ملھامو ونیدو آرھی ہ مختصر بیان کریو

(۳) عام سنتی شاعر ہی مان چا مراد آرھی ہ

(۴) ہیٹ ڈنل لفظ جوں مختاروں تکی جملن پر شم آئیو ہ

\* پاہت پیٹت \* شھتیر \* ناہت \* افق

(۵) ہیٹ ڈنل لفظ جا صد ہو۔

\* رات \* اٹ \* ہاتی \* مائی \* مالی \* بندک

(۶) ہیٹ ڈنل لیکھن مان کن ہن بیں جو مختصر تعارف ہو۔

\* حیث فتح خد سیو ہائی \* ڈاکت ہو تھند مولچند گرجنٹائی

\* جا ٹری نبی بخش بلوچ \* علامہ آری آری قاصی

(۷) کھائی اُمڑہان تہ کندس پر کھڑیہ سماجی برائیں جو ذھن تبل آہ

(۸) ہیئن مان کن جہ بیٹ صنفیں جو مختصر تعارف کریو

\* کھائی

\* جرامو

\* سفر نامو

\* آخڑ سماجی

\* سفر نامو

### حصو رج (رقصیلی جواب جا سوال) (مارکوں ۰۰)

نوت:- ہن حصی مان کن ہن بیں سوالن جا جواب تحریر کریو۔ سینی سوالن جوں مارکوں مساوی آرھی ہ

ہیئن مان کھنہ ہہ ہی کیا مفہوم ہو۔

\* جدید دوڑ پر کھپوڑا جی تھیم جی اہمیت پر مفہومی روادری

\* ملکی ترقی ڈر نوجوانت جو کردار \*

\* ملکی ترقی آرڈری

\* ہلکہ تر جو

مزن ہوئی جیا کی جیدبھی نو؟ لدیلو لی گے جون خصوصیات بیان کریو۔

علامہ آئے آرے قاصی پنھنگی مصنون چے عظیم شاعر جا ھر ۱ معابر  
سیانہ کیا آهن۔ تفصیلی جواب ڈیو۔

۵۔ ہیئت مان ہن بہ چمن جی وصف بیان کریو۔

\* اسم استقبال      \* فعل متممی

\* استمار      \* خزل

\* ردیف      \* بیت

۶۔ ہیئت مان ہن کن ہن شعر جی سمجھایا ڈیو۔

\* نون حبیب نقیہ طبیب، نون درد جی دوا

جانب منھنگی جیا ۱۲ زار جا افواح

صاحب حقیق شفا، میان مریضن ۱۴

\* فعل جی خواہش پر وسیع اصل ولو،

ستگ چون یہی نہ کانا یاد پیا۔

۷۔ موئی ایئن نہ رول، تو نا موئی ایئن نہ رول،

آئو، ہلیانہ لف جھول، تو نا موئی ایئن نہ رول،

\* جتی لک تکی، جتی اک تپی،

سودیس صافر منھنگو ڈی!

جت سچ قلا ۱۵ نعری نو

یون ۱۶ ڈلا ۱۷ نعریا ۱۸

جت ڈینھی ھر ۱۹ ھیئن ۲۰ ہن،

سودیس صافر منھنگو ڈی!

## BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

## MODEL PAPER 2026

## MATHEMATICS PAPER - I

(Pre-Engineering and Science General Groups)

Max. Marks : 80

Time: 2 Hours 40 Minutes

**INSTRUCTIONS:** i) SECTION 'B' and SECTION 'C' must be solved on provided E-Sheet (Examination Copy).  
 ii) Student are instructed to write their answers on page allocated for the respective question number.  
 iii) All notations are used in their usual meanings. The use of scientific calculator is allowed.

## SECTION 'B' (SHORT-ANSWER QUESTIONS) (Marks: 40)

**NOTE:** Answer All part questions from this section. All part questions carry equal marks.

2. i) Attempt either part (a), or part (b).

a) Write the following polynomial as the product of linear factors  $z^3 - 3z^2 + 4z - 2$ .b) Find real and imaginary parts of  $\left(\frac{3i-2}{2-3i}\right)^{-2}$ 

ii) Determine whether the following matrix is idempotent or involutory.

$$\begin{bmatrix} -1 & 2 & 4 \\ 1 & -2 & -4 \\ -1 & 2 & 4 \end{bmatrix}$$

iii) Applying the properties of determinant, prove that.

$$\begin{vmatrix} b+c & a & a \\ b & c+a & b \\ c & c & a+b \end{vmatrix} = 4abc$$

iv) A force of  $22N$  is applied to the end of  $0.15$  meter wrench at an angle of  $75$  degrees with the axis of rotation.Calculate the magnitude of the moment  $\vec{M}_o$  produced by applied force.

v) Attempt either part (a), or part (b).

a) If the sum of first and sixth terms of H.P. is  $\frac{31}{116}$ . Find the harmonic sequence, if the first term is  $\frac{1}{4}$ .b) Find the sum of the series  $\sum_{k=2}^n \frac{1}{(k^2 - k)}$ 

vi) Attempt either part (a), or part (b).

a) Find the vulgar fraction equivalent to  $0.\overline{259}$ b) Without using graph paper, sketch the graph of the function  $y = f(x) = x^2 + 4x + 5$ .vii) How many diagonals and triangles can be drawn in a plane by joining the vertices of the polygon having  $8$  sides?

viii) Attempt either part (a), or part (b).

a) Prove the following proposition by mathematical induction.  $7^n - 4^n$  is divisible by  $3$ .b) Show that:  $\frac{\cos 8^\circ - \sin 8^\circ}{\cos 8^\circ + \sin 8^\circ} = \tan 37^\circ$ 

ix) Attempt either part (a), or part (b).

a) Evaluate without using calculator

$$\cos 1^\circ + \cos 2^\circ + \cos 3^\circ + \dots + \cos 180^\circ.$$

b) Find the general solution of the trigonometric equation  $4\cos^2 x - 8\sin x + 1 = 0$ .

x) Attempt either part (a), or part (b).

a) Find the measure of the largest angle in the triangle ABC with  $a = 10\text{cm}$ ,  $b = 20\text{cm}$  and  $c = 26\text{cm}$ .b) Show the  $\cos^{-1}\left(\frac{63}{65}\right) + 2\tan^{-1}\left(\frac{1}{5}\right) = \cos^{-1}\left(\frac{4}{5}\right)$ 

## SECTION 'C' (DETAILED-ANSWER QUESTIONS) (Marks : 40)

**NOTE:** Answer All questions from this Section. All questions carry equal marks.

3. Attempt either part (a), or part (b).

a) Solve the non-homogenous system of linear equation using Gauss Jordan method:

$$2x + 2y - z = 4 \quad x - 2y + z = 2 \quad x + y = 0$$

b) Find the inverse of the matrix  $A = \begin{bmatrix} 2 & 5 & -1 \\ 3 & 4 & 2 \\ 1 & 2 & -2 \end{bmatrix}$  by using row operations.4. A bag contains  $8$  white,  $10$  black and  $12$  red balls.  $3$  balls are drawn from the bag. What is the probability that the first ball is white, the second ball is black and third ball is red, when every time the ball is replace?

5. Attempt either part (a), or part (b).

a) Given that the points  $(1, 1)$ ,  $(5, 4)$ ,  $(8, 9)$  and  $(0, 3)$  represent position vectors of  $A, B, C$  and  $D$  respectively. By using vector notations, show that  $ABCD$  is a trapezium.b) If  $x = \frac{1}{3} + \frac{1.3}{3.6} + \frac{1.3.5}{3.6.9} + \frac{1.3.5.7}{3.6.9.12} + \dots$ , prove that  $x^2 + 2x - 2 = 0$ .

6. Attempt either part (a), or part (b).

a) Find the equation of the function of the type  $y = f(x) = ax^2 + bx + c$  which cuts the x-axis at the points  $(-4, 0)$  and  $(3, 0)$  also passes through the point  $(2, -4)$ .b) Prove that:  $\sin \frac{\alpha}{2} = \sqrt{\frac{(s-b)(s-c)}{bc}}$ .

7. Attempt either part (a), or part (b).

a) Solve the following LP programming problem by graphical method when  $x \geq 0, y \geq 0$ .Maximize the objection function  $z = f(x, y) = 30x + 36y$ ,Subject to the constraints  $4x + 2y \leq 12$ ;  $6x + 5y \leq 20$ .b) By using a graph, find the solution of the trigonometric equation  $\tan x - \frac{4x}{\pi} = 0$

## SECTION 'A' (MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.) (Marks : 20)

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries one mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the **MCQs/OMR sheet** enclosed on the last page of provided **E-Sheet & OMR** (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  (A)  (B)  (C)  (D)
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

1. The modulus of a complex number  $z = a + ib$  represents the distance from a point  $(a, b)$  to:
 

A) $(-a, 0)$	B) $(0, 0)$	C) $(0, -b)$	D) $(1, 1)$
--------------	-------------	--------------	-------------
2. If  $i^n = 1$ , the least value of  $n$  is:
 

A) 1	B) 2	C) 3	D) 4
------	------	------	------
3. The periodic matrix having period 1, then the matrix is said to be:
 

A) idempotent	B) involuntary	C) nilpotent	D) identity
---------------	----------------	--------------	-------------
4. The determinant of a triangular matrix is the:
 

A) sum of main diagonal elements	B) product of main diagonal elements
C) sum of all non – zero elements	D) product of all non – zero elements
5. If  $|\vec{a}| = 10$ ,  $|\vec{b}| = 2$  and  $|\vec{a} \times \vec{b}| = 0$ , then the value of  $\vec{a} \cdot \vec{b} =$ :
 

A) 0	B) 5	C) 12	D) 20
------	------	-------	-------
6. The domain of a function must be the set of natural numbers then the function is called as a / an:
 

A) array	B) equation	C) sequence	D) ratio
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7. A sequence  $\{a_n\}$ , in which the ratios of every two consecutive terms are the same, is called:
 

A) A.P.	B) G.P.	C) H.P.	D) A.G.
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8. If  $a_{n-2} = 3n - 11$ , then  $a_n =$ :
 

A) $3n + 5$	B) $3n - 5$	C) $3n - 9$	D) $3n - 13$
-------------	-------------	-------------	--------------
9.  ${}^{19}P_4 =$ :
 

A) $19! {}^{19}C_4$	B) $4! {}^{19}C_4$	C) $15! {}^{19}C_4$	D) $23! {}^{19}C_4$
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10. A die is rolled and  $1 < x \leq 6$ , then the probability of  $x$  is:
 

A) 0	B) 1	C) $\frac{3}{6}$	D) $\frac{5}{6}$
------	------	------------------	------------------
11. The principle of mathematical induction is used to prove propositions for set of:
 

A) natural numbers	B) even numbers	C) integers	D) real numbers
--------------------	-----------------	-------------	-----------------
12. If  $f : A \rightarrow B$  be a function, and it is the surjective, then:
 

A) Domain $\neq A$	B) Domain $= B$	C) Range $= A$	D) Range $= B$
--------------------	-----------------	----------------	----------------
13. The graph of linear function is a:
 

A) circle	B) straight Line	C) parabola	D) triangle
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14. Solution space of the linear inequality  $\{x | x \in \mathbb{R} \wedge x > 5\}$  is also equal to:
 

A) $[5, \infty)$	B) $(-\infty, 5)$	C) $(5, \infty)$	D) $(-\infty, 5]$
------------------	-------------------	------------------	-------------------
15. Solution space of a linear inequality  $2x + 3y \leq 6, \forall x, y \in \mathbb{R}$ , includes all points:
 

A) above the line	B) below the line
C) on and above the line	D) on and below the line
16. If  $\alpha, \beta$  and  $\gamma$  are the angles of  $\Delta ABC$ , then  $\sin(\alpha + \beta) =$ :
 

A) $-\sin \gamma$	B) $\sin \gamma$	C) $-\cos \gamma$	D) $\cos \gamma$
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**MATHEMATICS PAPER – I**

(Pre –Engineering and Science General Groups)

17.  $2 \sin 7\theta \sin 2\theta =$   
A)  $\cos 5\theta - \cos 9\theta$       B)  $\cos 9\theta - \cos 5\theta$       C)  $\sin 9\theta + \sin 5\theta$       D)  $\sin 9\theta - \sin 5\theta$

18. In a  $\Delta ABC$ ,  $a+b =$ :  
A)  $s+c$       B)  $2(s+c)$       C)  $2s-c$       D)  $s+2c$

19. If  $y = \operatorname{Sec}^{-1} x$ , then the range is:  
A)  $0 \leq y \leq \pi, y \neq \frac{\pi}{2}$       B)  $0 < y < \pi$   
C)  $-\frac{\pi}{2} \leq y \leq \frac{\pi}{2}, y \neq 0$       D)  $-\frac{\pi}{2} < y < \frac{\pi}{2}$

20. If  $\tan 2x = -1$  with the interval  $\left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$ , then the solution is:  
A)  $x = -\frac{\pi}{4}$       B)  $x = -\frac{\pi}{8}$       C)  $x = \frac{3\pi}{4}$       D)  $x = -\frac{3\pi}{8}$

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI****INTERMEDIATE EXAMINATION****MODEL PAPER 2026****MATHEMATICS PAPER – II**

Max. Marks: 80

(Pre-Engineering and Humanities Groups – Regular &amp; Private)

Time: 2 Hours 40 Minutes

**INSTRUCTION:** The use of scientific calculator is allowed. All notations are used in their usual meanings.**SECTION 'B' (SHORT-ANSWER QUESTIONS) (Marks: 40)****NOTE:** Answer any **Ten part questions** from this section. All part questions carry equal marks.

2. i) Find the limit of  $\lim_{x \rightarrow e} \frac{\ln x - 1}{x - e}$

ii) Determine whether the function  $f(x) = \begin{cases} 2+x & \text{when } x < 3 \\ 5-2x & \text{when } x \geq 3 \end{cases}$  is continuous at  $x = 3$

iii) Find derivative of  $f(x) = \frac{1}{\sqrt{x}}$  **OR**  $f(x) = \tan x$  with respect to  $x$  by ab-initio/first principle method.

iv) Find the first four terms of Maclaurin's series of  $f(x) = \ln(1+x)$

v) Find the limit of the vector  $\vec{r}(t) = (e^{3t} - 1)\hat{i} + \frac{\sqrt{3+t} - \sqrt{3}}{3t}\hat{j} + \frac{1}{9t+1}\hat{k}$  at  $t = 0$

vi) Find the area above the x-axis under the curve  $y = \ln x$  between the ordinates  $x = 1, x = 3$ .

vii) Evaluate by using properties  $\int_{-2}^1 |x| dx$ .

viii) If a point  $(k, 7)$  divide the line segment joining  $A(8, 9)$  and  $B(1, 2)$  in ratio  $m:n$  then find ratio  $m:n$  and also find  $k$ .

ix) Find the equation of the perpendicular bisector of the segment joining  $(-1, 2)$  and  $(9, 12)$ .

x) Find equation of circle through the point  $(1, 2), (2, 3)$  and having centre on y-axis.

xi) Find equation of the conic whose focus is  $(3, 0)$ , directrix is  $x - 5 = 0$  and  $e = 1$ . Also identify the conic.

xii) Find new coordinates of point  $P(2, 3)$  if xy-axes are rotated through an angle  $\theta = 60^\circ$ .

xiii) Find the orthogonal trajectories of the curve  $xy = c$ .

xiv) Find  $\frac{\partial f}{\partial x}$  and  $\frac{\partial f}{\partial y}$  for the function  $f(x) = \sin(x+y)$ .

**SECTION 'C' (DETAILED-ANSWER QUESTIONS) (Marks: 40)****NOTE:** Answer any **Five** questions from this section. All questions carry equal marks.

3. Evaluate any two of the following integrals:

a)  $\int x \sec^2 x dx$       b)  $\int \frac{dx}{(x-3)(x^2+1)}$       c)  $\int_0^2 \frac{dx}{\sqrt{16-x^2}}$

4. Evaluate  $\frac{dy}{dx}$  any two of the following:

a)  $y = \ln(1-x^2) + 2x \tanh^{-1} x$       b)  $y = \sin^{-1}(\cos x) + \cos^{-1}(\sin x)$   
 c)  $x = 4(t - \sin t)$  and  $y = 4(1 + \cos t)$

5. Find the maximum and minimum values of  $f(x) = e^x \sin x$ .

6. Find the equation of a line passing through the point  $(3, 2)$  and making angle of  $45^\circ$  with the line  $x - 2y = 3$ .

7. Find Semi axes, eccentricity, foci, vertices, co vertices and equation of directrices for the curve:

$$9x^2 - 4y^2 + 36x + 8y - 4 = 0$$

8. A resistor of 5 ohms and a capacitor of 0.02 farads are connected with 10 volt battery. Assume that initially charge on capacitor is 5 coulombs. Find the charge and current in the circuit at any time.

**OR**

Solve the differential equation  $\frac{dy}{dx} = \frac{x+2y-3}{2x+y-3}$

9. Evaluate the integral  $\int_0^{\frac{\pi}{2}} \sin x dx$  with 7 intervals by using Trapezoidal rule.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**  
**MATHEMATICS PAPER – II**

Max. Marks: 20

(Pre-Engineering and Humanities Groups – Regular &amp; Private)

Time: 20 Minutes

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)** **(Marks : 20)**

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries one mark.
- ii) Do not copy the part questions in your answerscript. Write only the answer in full against the proper number of the question and its part.
- iii) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

i) This Maple the command used to evaluate  $\pi$  to 5 digits is:  
 \*  $\text{evalf}(\text{Pi}, 5)$ ; \*  $\text{eval}(\text{Pi}, 5)$ ; \*  $\text{expf}(\text{Pi}, 5)$ ; \*  $\text{exp}(\text{Pi}, 5)$ ;

ii) This Maple command  $\text{Matrix}(2)$ : returns?:

$$\begin{matrix} * & \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} & * & \begin{bmatrix} 2 & 2 \\ 2 & 2 \end{bmatrix} & * & \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} & * & \begin{bmatrix} 2 & 0 \\ 0 & 2 \end{bmatrix} \end{matrix}$$

iii) A function  $f(x) = \frac{x}{|x|}$ ,  $x \neq 0$  is an:

$$\begin{matrix} * & \text{odd function} & * & \text{even function} \\ * & \text{odd and even both} & * & \text{neither odd nor even} \end{matrix}$$

iv)  $\lim_{x \rightarrow 0} (1+x)^{\frac{1}{x}} = :$

$$\begin{matrix} * & e & * & e^2 & * & e^x & * & e^{\frac{1}{x}} \end{matrix}$$

v) The derivative of  $\coth^{-1}(2x)$  is:

$$\begin{matrix} * & \frac{2}{1-4x^2} & * & \frac{2x}{1-4x^2} & * & \frac{2x}{1-4x^2} & * & \frac{2}{1+4x^2} \end{matrix}$$

vi) Let  $f$  is the function with rule  $f(x) = \ln 2x$  and  $(x > 0)$ , if  $g$  is inverse of  $f$ , then:

$$\begin{matrix} * & \frac{\ln x}{2} & * & \frac{2}{\ln x} & * & \frac{e^x}{2} & * & \frac{2}{e^x} \end{matrix}$$

vii) Second order derivative of  $f(x) = A \sin x + B \cos x$  is:

$$\begin{matrix} * & f(x) & * & -f(x) & * & \pm f(x) & * & f'(x) \end{matrix}$$

viii) The slope of tangent to the curve  $x^{\frac{2}{3}} + y^{\frac{2}{3}} = 2$  at  $(1, 1)$ :

$$\begin{matrix} * & 0 & * & \pm 1 & * & 1 & * & -1 \end{matrix}$$

ix) Differentiation of a vector function  $f(t) = (e^{2t} + 1)\hat{i} + \sin(2t)\hat{j} + t^2\hat{k}$  with respect to 't' at  $t = 0$  is:

$$\begin{matrix} * & 2\hat{i} + 2\hat{j} + 3\hat{k} & * & 2\hat{j} + 3\hat{k} & * & 2\hat{i} + 3\hat{k} & * & 2\hat{i} + 2\hat{j} \end{matrix}$$

x)  $\int x^2 \ln e^{x^2} = :$

$$\begin{matrix} * & \frac{x^2}{4} + c & * & \frac{x^5}{5} + c & * & \ln e^{x^2} + c & * & \ln x^x + c \end{matrix}$$

xi)  $\int_{-a}^a f(x) dx =$  where  $f(-x) = f(x)$  is:

$$\begin{matrix} * & -2 \int_0^a f(x) dx & * & \int_0^a f(x) dx & * & - \int_0^a f(x) dx & * & 2 \int_0^a f(x) dx \end{matrix}$$

xii) If the line coincides with x – axis then its equation is:

$$\begin{matrix} * & y = b & * & x = b & * & y = 0 & * & x = 0 \end{matrix}$$

xiii) The point of intersection of points of line  $ax^2 + 2hxy + by^2 = 0$ :

$$\begin{matrix} * & (a, b) & * & (a, 0) & * & (0, 0) & * & (0, b) \end{matrix}$$

xiv) The line  $y = 2x + c$  will be tangent to  $x^2 + y^2 = 25$  if:

$$\begin{matrix} * & c^2 = 25 & * & c^2 = 625 & * & c^2 = 50 & * & c^2 = 125 \end{matrix}$$

Continued on next page.....

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**MATHEMATICS PAPER – II**

(Pre-Engineering and Humanities Groups – Regular & Private)

xv) The eccentricity of a rectangular hyperbola is:  
 \*  $\pm\sqrt{2}i$       \*  $-\sqrt{2}$       \*  $\sqrt{2}$       \*  $\sqrt{2}i$

xvi) The foci of the ellipse  $9x^2 + 25y^2 = 225$  is:  
 \*  $(\pm 4, 0)$       \*  $(0, \pm 4)$       \*  $(\pm 16, 0)$       \*  $(0, \pm 16)$

xvii) The general solution of the differential equation  $\frac{dy}{dx} = -y$  is:  
 \*  $y = \ln x + c$       \*  $y = \ln xc$       \*  $\ln y = -x + c$       \*  $\ln y = x + c$

xviii) The order and degree differential equation  $\frac{d^2y}{dx^2} = \sqrt{1 + \left(\frac{dy}{dx}\right)^3}$  is:  
 \*  $2, 2$       \*  $3, 2$       \*  $2, 3$       \*  $2, 1$

xix) Given that  $g(x, y) = \cos\left(\frac{x}{y}\right)$  then  $\frac{g_y}{g_x} = ?$ :  
 \*  $-\frac{x}{y}$       \*  $\frac{x}{y}$       \*  $-\frac{x}{y^3}$       \*  $-\frac{y}{x}$

xx) In Simpson  $\frac{1}{3}$  method, the number of subinterval is the multiple:  
 \*  $4$       \*  $1$       \*  $2$       \*  $3$

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

### MODEL PAPER 2026

### PHYSICS PAPER – I

Max. Marks : 68

(Science Groups)

Time: 2 hours 40 Minutes

**INSTRUCTIONS:** i) SECTION 'B' and SECTION 'C' must be solved on provided **E-Sheet** (Examination Copy).  
ii) Student are instructed to write their answers on page allocated for the respective question number.

#### According to New Book

#### SECTION 'B' (SHORT-ANSWER QUESTIONS)

(36 Marks)

**NOTE:** Answer any **Nine** part questions from this section. All part questions carry equal marks. Draw diagrams where necessary. Use of scientific calculator is allowed.

2. i) What is an ideal banking angle for a turn of 1.20 km radius on a highway with a 105 km/h speed limit?  
ii) Prove the following equations are dimensionally correct:

$$* \quad F = \frac{mv^2}{r} \quad * \quad 2aS = vf^2 - vi^2$$

iii) Two tug boats are towing a ship, each exerting a force of 6000 N and the angle between two forces is 60°. Calculate the resultant force on the ship.  
iv) A 50g bullet is fired into a 10kg block suspended by a cord. The center of gravity of block rises by 10cm. What is the speed of bullet?  
v) A car starts from rest and moves with a constant acceleration. During the 5<sup>th</sup> second of its motion it covers a distance of 36m. Calculate acceleration of the car.  
vi) A 70kg man runs up a hill through a height of 3m in 2s. Calculate the work done and power output?

#### OR

A 20m long wire has a cross sectional area of 1mm<sup>2</sup> and a resistance of 5Ω. Calculate the conductance of the material of wire.

vii) A particle having charge  $2 \times 10^{-19} C$ , is held in an electric field between two parallel metal plates 4cm apart, is acted upon by a force of  $10^{-4} N$ . What is the intensity of the electric field?

#### OR

The period of oscillation of an object of an ideal mass-spring system is 0.50s and the amplitude is 5cm. What is the speed of object at equilibrium position?

viii) If the speed of sound in air at 27°C is 345m/s, find the speed at 127°C.

#### OR

A source of sound and a listener are moving toward each other with velocities 0.5 times and 0.2 times the speed of sound respectively. If the frequency of emitted sound is 2000Hz, calculate the change in the frequency heard by the listener.

ix) Derive an equation for balanced Wheatstone bridge.

#### OR

Define Electric flux, write its SI unit. Under what conditions the electric flux through a surface will be:

\* Maximum      \* Minimum

x) Prove that the gravitational field of earth is conservative.

#### OR

What is interference of light? Write three conditions of interference of light.

#### SECTION 'C'      (DETAILED-ANSWER QUESTIONS) (32 Marks)

**NOTE:** Answer any **Four** questions from this section. All questions carry equal marks. Draw diagrams where necessary.

3. Two vector  $\vec{A}_1$  and  $\vec{A}_2$  are making angles  $\theta_1$  and  $\theta_2$  with x-axis respectively. Derive the formulae for the magnitude and direction of the resultant vector.  
4. Define Simple Harmonic Motion. A particle is moving in a circle with a constant speed; prove that its projection executes simple harmonic motion along the diameter of the circle.  
5. Define the capacitance of a capacitor. Derive mathematical relations for the capacitance of parallel plate capacitor when:  
i) Air is present between the plates      ii) A dielectric slab is present between the plates

#### OR

Two smooth, rigid and not-rotating spheres of masses  $m_1$  and  $m_2$ , moving with initial velocities  $U_1$  and  $U_2$  respectively, collide elastically in one dimension. Derive the expression for the velocity of any one of the sphere after collision.

6. State Bernoulli's Theorem and derive its equation.

#### OR

What are Newton's Rings? Explain the process of their formation. Derive the expressions for the radii of nth bright and dark rings.

7. What are Stationary Waves? If stationary waves are set up in a stretched string, derive expressions for the frequencies when string is vibrating in:

i) One loop      ii) Two loops      iii) Three loops      iv) n loops

#### OR

What is an Electric Dipole? Derive the expression for electric field intensity at a point at perpendicular distance 'y' from the center of the dipole.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI****INTERMEDIATE EXAMINATION****MODEL PAPER 2026****PHYSICS PAPER – I**

Max. Marks : 17

(Science Groups)

Time: 20 Minutes

**SECTION 'A'****According to New Book | (MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.) (Marks : 17)**

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries one mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the MCQs/OMR sheet enclosed on the last page of provided E-Sheet & OMR (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  A  B  C  D
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Select the correct answer for each from the given options:

1. A ball is thrown upward with a velocity of  $100 \text{ m/s}$ . The time it takes to reach the ground is: ( $g = 10 \text{ m/s}^2$ )  
A) 5 second      B) 10 second      C) 20 second      D) 40 second
2. If the dot product of two non-zero vectors vanishes, then vectors are:  
A) perpendicular      B) parallel      C) in opposite directions      D) at an angle of 45
3. This force is also called a self-adjusting force:  
A) Friction      B) Tension      C) Weight      D) Thrust
4. A wooden block of volume  $0.05 \text{ m}^3$  is floating on the surface of water. The buoyant force acting on the block is:  
(Density of water =  $1000 \text{ kg/m}^3$ )  
A) 500 N      B) 50 N      C) 5000 N      D) 5 N
5. The SI-unit of conductance is:  
A) Ohms ( $\Omega$ )      B) siemens ( $S$ )      C) ampere ( $A$ )      D) volt ( $V$ )
6. Coulomb's force in a dielectric medium is less than that in vacuum, due to:  
A) Ionization      B) Electric polarization  
C) Magnetization      D) Superposition
7. The displacement-time graph for simple harmonic motion is:  
A) straight line      B) circle      C) ellipse      D) sine curve
8. The Doppler Effect is used in this medical imaging technique:  
A) Ultrasound      B) X-rays  
C) Magnetic resonance image      D) Computed Tomography Scan
9. The superposition of signal wave on a carrier wave is called:  
A) Modulation      B) Diffraction      C) Polarization      D) Refraction
10. The unit of electric flux is:  
A)  $V/m$       B)  $N/m$       C)  $N \cdot m^2/C$       D)  $N/C$
11. The resistance of a superconductor below a critical temperature is:  
A) Infinite      B) Zero      C) Finite      D) Unchanged
12. In SHM, kinetic energy is maximum at:  
A) extreme position      B) mean position  
C) between mean and extreme positions      D) mean and extreme positions
13. The dimensions of angular momentum are given by:  
A)  $ML^{-1}T^{-2}$       B)  $ML^2T^{-1}$       C)  $M^0L^2T^{-1}$       D)  $MLT^{-3}$
14. A body weighs 10 N out of water and 7 N when submerged in water. The buoyant force on the body will be:  
A) 3 N      B) 5 N      C) 7 N      D) 10 N
15. A mass spring-oscillator has a time period  $T$ , if the mass is doubled, the time period will become:  
A)  $T$       B)  $2T$       C)  $\sqrt{2}T$       D)  $T/\sqrt{2}$
16. This electromagnetic wave has the shortest wavelength:  
A) Radio wave      B) Ultraviolet wave      C) Microwaves      D) Infrared wave
17. The maximum number of beats that can be heard by human is:  
A) 3      B) 5      C) 7      D) 9

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## **INTERMEDIATE EXAMINATION**

## **MODEL PAPER 2026**

## **PHYSICS PAPER – II**

Max. Marks : 68

### **(Science Groups)**

Time: 2 hours 40 Minutes

## According to New Book

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)** (36 Marks)

**NOTE:** Answer any Nine part questions from this section. All questions carry equal marks. Draw diagrams where necessary.

Use of scientific calculator is allowed. All notations are used in their usual meanings.

## **SECTION 'C'**

**(DETAILED-ANSWER QUESTIONS) (32 Marks)**

**NOTE:** Answer any **Two** questions from this section. All questions carry equal marks. Draw diagrams where necessary.

3. a) What is generator? Describe the working of A.C generator and derive an equation for the induced e.m.f.

b) What is Photoelectric Effect? Define the terms Threshold Frequency, Stopping Potential and Work Function. Also derive Einstein's photoelectric equation.

4. a) What is Carnot Engine? Describe the Carnot Cycle. Derive an equation for its efficiency.

b) What is Mass Spectrograph? Describe its principle, construction and working. Derive its relevant mathematical expression.

5. a) Describe the experiment for determination of e/m ratio of an electron. Derive its mathematical expression.

b) Write the postulates of Bohr's Atomic Model. Derive relation for radius of  $n^{\text{th}}$  orbit of Hydrogen atom.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI****INTERMEDIATE EXAMINATION****MODEL PAPER 2026****PHYSICS PAPER – II**

(Science Groups)

Max. Marks : 17

Time: 20 Minutes

**According to New Book****SECTION 'A'****(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.) (Marks : 17)****Note:**

- i) This section consists of 17 part questions and all to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.
- iii) The use of scientific calculator is allowed.

**1. Select the correct answer for each from the given options:**

- i) This type of solid has a periodic atomic arrangement:
  - \* Polymeric
  - \* Amorphous
  - \* Glassy
  - \* Crystalline
- ii) The Carnot engine is an ideal heat engine because it is:
  - \* Made of most advanced material
  - \* Extremely powerful
  - \* Free from heat losses and friction
  - \* Very small in size
- iii) Population inversion occurs in:
  - \* Active medium
  - \* Passive medium
  - \* Gaseous medium
  - \* Vapor medium
- iv) If the temperature of a gas is tripled in kelvin at constant volume, the pressure of the gas will be:
  - \* Doubled
  - \* Quadrupled
  - \* One third
  - \* Tripled
- v) The quantity of heat required to raise the temperature of one mole of a substance through one kelvin is called:
  - \* Heat Capacity
  - \* Latent Heat
  - \* Molar Specific Heat
  - \* Specific Heat
- vi) In purely resistive AC circuit, the phase difference between current and voltage is:
  - \*  $0^\circ$
  - \*  $45^\circ$
  - \*  $90^\circ$
  - \*  $180^\circ$
- vii) Alternating current generator converts this energy into electrical energy:
  - \* Wind
  - \* Mechanical
  - \* Solar
  - \* Chemical
- viii) Momentum of photon is:
  - \*  $\frac{hc}{\lambda}$
  - \*  $\frac{h}{\lambda}$
  - \*  $\frac{\lambda}{h}$
  - \*  $\frac{c}{\lambda}$
- ix) To produce X-rays, an element of high atomic weight is bombarded by:
  - \* Photons
  - \* Electrons
  - \* Helium nuclei
  - \* Neutrons
- x) In Photoelectric Effect, increasing the intensity of light will increase the:
  - \* Frequency of light
  - \* Number of protons
  - \* Wavelength of light
  - \* Number of photoelectrons
- xi) The number of electrons in one coulomb charge is:
  - \*  $1.6 \times 10^{18}$
  - \*  $1.6 \times 10^{-19}$
  - \*  $6.25 \times 10^{18}$
  - \*  $9.1 \times 10^{19}$
- xii) The diode radiating visible light when energized is called:
  - \* Photo diode
  - \* Photo conducting cell
  - \* Photovoltaic diode
  - \* Light emitting diode
- xiii) In photoelectric effect, the amount of energy required to eject an electron from the surface of metal is called:
  - \* Threshold frequency
  - \* Binding energy
  - \* Work function
  - \* Stopping potential
- xiv) A thermodynamics process at constant volume is called:
  - \* Isothermal
  - \* Isochoric
  - \* Adiabatic
  - \* Isobaric
- xv) Kinetic energy per mole of an ideal gas is:
  - \*  $\frac{3}{2}kT$
  - \*  $\frac{2}{3}kT$
  - \*  $\frac{3}{2}RT$
  - \*  $\frac{2}{3}RT$
- xvi) Balmer series of hydrogen atom spectrum lies in this region:
  - \* Infrared
  - \* Ultraviolet
  - \* Visible
  - \* Radio-wave
- xvii) Compton Effect proves the:
  - \* Photon Theory of Light
  - \* Dual Nature of Light
  - \* Wave Nature of Light
  - \* Uncertain Nature of Light

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI****INTERMEDIATE EXAMINATION****MODEL PAPER 2026****CHEMISTRY PAPER – I**

Max. Marks: 68

(Science Pre-Engineering &amp; Pre-Medical Groups)

Time: 2 hours 40 minutes

**Atomic Masses:**

$$\left. \begin{array}{l} C = 12 \text{ amu}, \ Al = 27 \text{ amu}, \\ O = 16 \text{ amu}, \ N = 14 \text{ amu} \end{array} \right)$$

**INSTRUCTIONS:** i) SECTION ‘B’ and SECTION ‘C’ must be solved on provided E-Sheet (Examination Copy).  
 ii) Student are instructed to write their answers on page allocated for the respective question number.

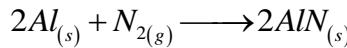
**According to New Book****SECTION ‘B’  
(SHORT-ANSWER QUESTIONS)****Marks : 36****Note:** Answer any Nine part questions. All part questions carry equal marks.2. i) Define any **Four** of the following:

$$\begin{array}{llll} * & \text{Molar Volume} & * & \text{Stoichiometry} \\ * & \text{Viscosity} & * & \text{Electrode Potential} \end{array} \quad * \quad \text{Molar heat of Vaporization}$$

**OR**

Differentiate any two of the following

$$\begin{array}{llll} * & \text{Crystalline solid and amorphous solid} & * & \text{Positive Catalyst and Negative Catalyst} \\ * & \text{Electrolytic cell and Electrochemical cell} & & \end{array}$$

ii) When aluminum is heated with nitrogen gas at 700°C, it gives aluminum nitride (AlN).

If 67.5 g of aluminium and 140 g of nitrogen gas are allowing to react,

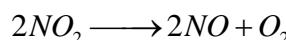
$$\begin{array}{llll} * & \text{Calculate moles of each reactant.} & * & \text{Identify the limiting reactant.} \\ * & \text{Calculate the mass of aluminium nitride formed.} & & \end{array}$$

iii) State Pauli’s exclusion principle and Hunds rule write electronic configuration of the following:

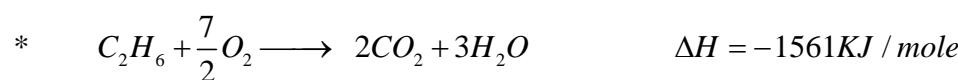
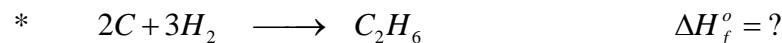
$$* \quad Br^{-} (Z= 35) \quad * \quad Ca^{+2} (Z= 20)$$

iv) Draw a molecular orbital diagram of O<sub>2</sub> molecule and write down molecular orbital electronic configuration of O<sub>2</sub>:v) Define surface tension? Give its unit and describe the two factors that affect the surface tension of liquid.**OR**Define unit cell. How can you determine the number of Na<sup>+</sup> and Cl<sup>-</sup> ions in one-unit cell of sodium chloride (NaCl)?vi) The pH of a urine sample is 5.3. Calculate the concentration of H<sup>+</sup> ions and OH<sup>-</sup> ions in urine sample.**OR**

Define molality of solution. Calculate the molality of 25% (W/W) aqueous solution of glucose (molar mass of glucose is 180g/mol).

vii) Define rate law. Enlist five factors which influence the rate of chemical reaction and describe the effect temperature on reaction rate.viii) A solution is prepared by mixing 600 cm<sup>3</sup> of 7.5 x 10<sup>-4</sup> M BaCl<sub>2</sub> into 300cm<sup>3</sup> of 2.4 x 10<sup>-3</sup>M and Na<sub>2</sub>SO<sub>4</sub> solutions. Will precipitate of BaSO<sub>4</sub> form when equilibrium is reached? (K<sub>sp</sub> of BaSO<sub>4</sub>= 1.1 × 10<sup>-10</sup> mol<sup>2</sup> /dm<sup>6</sup>)**OR**The rate constant (k) for the decomposition of NO<sub>2</sub> is 1.8 × 10<sup>-3</sup> dm<sup>3</sup> mol<sup>-1</sup> s<sup>-1</sup>.

\* Write the rate expression.

\* Find the initial rate when the initial concentration of NO<sub>2</sub> is 0.75 mol dm<sup>-3</sup>.\* Find the value of the rate constant when the initial concentration of NO<sub>2</sub> is doubled.ix) 40 dm<sup>3</sup> of hydrogen gas was collected over water at 831 torr Hg pressure and 23°C. What would be the volume of dry hydrogen gas at standard conditions? (Vapour pressure of water at 23°C = 21 torr).**OR**State Graham’s law of diffusion. The rate of diffusion of an unknown gas is 70.3 cm<sup>3</sup>/s whereas CO<sub>2</sub> is 60 cm<sup>3</sup> /s under similar conditions. What is the molecular mass and identity of the unknown gas?x) Calculate the heat of formation of ethane at 25 °C from the following data:**Continued on page 2**

## SECTION 'C'

### (DETAILED-ANSWER QUESTIONS)

**Marks : 32**

**Note:** Answer any **Four** questions from this section. All questions carry equal marks.

3. Write four defects of Bohr's atomic model. Derive expression for frequency of radiation and wave number of photon. Given that  $E = -k\left(\frac{1}{n^2}\right)$

4. Write postulates of VSEPR theory. Explain the shapes of molecules containing the following electron pair on their central atom:

\* Three bond pairs and one lone pair      \* Two bond pairs and two lone pairs

5. State law of mass action. Derive equilibrium constant ( $K_c$ ) expression of general reversible reaction. Following reaction was studied at  $25^\circ\text{C}$ ,  $2\text{NO}_{(g)} + \text{Cl}_{2(g)} \rightleftharpoons 2\text{NOCl}_{(g)}$ . At equilibrium, the partial pressure was  $P_{\text{NOCl}} = 1.2\text{ atm}$ ,  $P_{\text{NO}} = 5 \times 10^{-2}\text{ atm}$  and  $P_{\text{Cl}_2} = 3 \times 10^{-1}\text{ atm}$ . Calculate the value of  $K_p$  and  $K_c$ .

OR

What is an ideal gas? Why real gases deviate from ideal behavior? Derive vander Waals equation for the Correction of volume and pressure.

6. Define osmosis and semipermeable membrane. Explain that osmotic pressure is a colligative property of Solution. Give four daily life examples of osmosis.

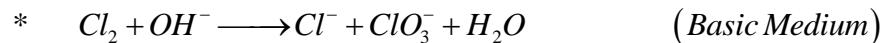
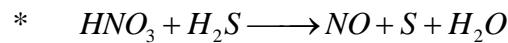
OR

State and explain first law of thermodynamics. Prove that  $W = -P\Delta V$  and  $q_p = \Delta H$  (Draw diagram where necessary)

7. Define primary and secondary batteries. Describe construction of lead storage battery with the help of labelled Diagram. Explain discharging and recharging of lead storage battery with the help of relevant chemical equation.

OR

Define a redox reaction. Balance any ONE of the following equations using the ion-electron method:



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**BOARD OF INTERMEDIATE EDUCATION, KARACHI****INTERMEDIATE EXAMINATION****MODEL PAPER 2026****CHEMISTRY PAPER – I**

Max. Marks: 17

(Science Pre-Engineering &amp; Pre-Medical Groups)

Time: 20 minutes

**According to New Book****(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)****(Marks : 17)**

**NOTE:**

- i) This section consists of 17 part questions and all are to be answered. Each part question carries one mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the MCQs/OMR sheet enclosed on the last page of provided E-Sheet & OMR (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  A  B  C  D
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

1. Quantum number value for 3d orbitals are:  
A)  $n=2, l=1$       B)  $n=3, l=2$       C)  $n=3, l=3$       D)  $n=2, l=3$
2. The range of wavelength of x-rays lies between:  
A)  $0.1\text{\AA}$  to  $10\text{\AA}$       B)  $10\text{\AA}$  to  $100\text{\AA}$       C)  $100\text{\AA}$  to  $500\text{\AA}$       D)  $4000\text{\AA}$  to  $7000\text{\AA}$
3. The hybridization of carbon in  $\text{C}_2\text{H}_2$  molecule is:  
A)  $sp^3$       B)  $sp^2$       C)  $sp$       D)  $dsp^2$
4. This molecule has zero dipole moment:  
A)  $\text{CS}_2$       B)  $\text{NH}_3$       C)  $\text{H}_2\text{S}$       D)  $\text{H}_2\text{O}$
5. The outer body of dry cell serves as anode, it is made of:  
A) Copper      B) Zinc      C) Lead      D) Iron
6. Cooling appliances like air conditioners and refrigerators are working on the principle of:  
A) Common ion effect      B) Joule-Thomson effect  
C) Pauli's exclusion principle      D) Le-Chatelier's principle
7. The average distance travelled by a gas molecule between two successive collisions is called:  
A) Path length      B) Mean free path      C) Root path      D) Collision diameter
8. This pair of compounds may represents isomorphism:  
A)  $\text{NaCl}$  and  $\text{KNO}_3$       B)  $\text{MgO}$  and  $\text{NaF}$   
C)  $\text{NaNO}_3$  and  $\text{ZnS}$       D)  $\text{NaF}$  and  $\text{CaCO}_3$
9. Cooking time is reduced in a pressure cooker because:  
A) Boiling point of water decreases      B) Boiling point of water increases  
C) Vapour pressure of liquid is reduced      D) Heat is uniformly distributed
10. The unit of rate constant for the first order reaction is:  
A)  $\text{Ms}^{-1}$       B)  $\text{s}^{-1}$       C)  $\text{M}^{-1}\text{s}^{-1}$       D)  $\text{M}^{-2}\text{s}^{-1}$
11. Oxidation number of  $\text{Mn}$  in  $\text{KMnO}_4$ :  
A) +1      B) +3      C) +5      D) +7
12. Parts per trillion means:  
A)  $10^3$       B)  $10^6$       C)  $10^9$       D)  $10^{12}$
13. The oxide which is amphoteric in nature:  
A)  $\text{Na}_2\text{O}$       B)  $\text{SO}_2$       C)  $\text{ZnO}$       D)  $\text{CO}$
14. If theoretical yield of a compound is 20 g, its actual yield= 16 g, then % yield of compound is:  
A) 80%      B) 60%      C) 100%      D) 16%
15.  $\text{NH}_3$  is prepared by the reaction  $\text{N}_2 + 3\text{H}_2 \rightleftharpoons 2\text{NH}_3$  ( $\Delta H = -ve$ ), the maximum yield of  $\text{NH}_3$  obtained is:  
A) At low temperature and high pressure      B) At high temperature and low pressure  
C) At high temperature and high pressure      D) At low temperature and low pressure
16. After rounding off 7.845 to 2 significant figures, the number becomes:  
A) 7.8      B) 7.9      C) 8.0      D) 7.5
17. This is not a state function:  
A) Internal energy      B) Enthalpy      C) Temperature      D) Work

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**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS) Marks : 32**

**Note:** Answer any **Four** questions — **Two** question from **Inorganic – General Chemistry** and **Two** from **Organic Chemistry**. All questions carry equal marks.

**INORGANIC – GENERAL CHEMISTRY**

3. Explain with the help of diagram of Castner Kellner cell, how caustic soda is obtained by electrolysis of aqueous sodium chloride. Write two advantages and disadvantages of the Castner Kellner process.

4. Write the balance chemical equations for the following:

- \* A mixture of carbon and silicon is heated under elevated temperature.
- \* Phosphorus is put into water.
- \* Bleaching powder is treated with hydrochloric acid.
- \* Chlorine gas is passed through hot aqueous solution of caustic soda.
- \* Copper is treated with concentration nitric acid.
- \* A piece of chromium is put into dilute hydrochloric acid.
- \* Reaction between  $\text{KMnO}_4$  and  $\text{FeSO}_4$  in the presence of  $\text{H}_2\text{SO}_4$  (write ionic equation)
- \* Reaction between  $\text{K}_2\text{Cr}_2\text{O}_7$  and  $\text{FeSO}_4$  in the presence of  $\text{H}_2\text{SO}_4$  (write ionic equation)

**OR**

Describe various steps involve in the extraction of 99.99% pure copper from its chalcopyrite ore. (Draw diagram where necessary)

5. Define Troposphere and stratosphere. Describe the chemistry involved due to the presence of oxides of carbon and nitrogen in the troposphere. (Write equations where necessary)

**ORGANIC CHEMISTRY**

6. What is meant by orientation of benzene? Explain ortho-para and meta directing group. Write the equation for the preparation of TNT and m-nitro toluene from benzene.

7. Draw the structure of the following organic molecules:

*	Isopropyl butanoate	*	Ethyl neo-pentyl ether	*	Divinylacetylene
*	p-cresol	*	Pyrogallol	*	Neo Pentyl iodide
*	Benzamide	*	Benzene-1, 4-dioic acid		

**OR**

Write the equations for the following reactions:

- \* Oxidation of 2°-alcohol with  $\text{K}_2\text{Cr}_2\text{O}_7/\text{H}_2\text{SO}_4$
- \* Reaction of phenol with  $\text{H}_2\text{SO}_4$  at 20°C
- \* Reaction of propanone with hydroxyl amine.
- \* Ethanol, in excess, is heated up to 140 °C in presence of  $\text{H}_2\text{SO}_4$
- \* Dehydration of ethyl alcohol at 170°C in conc.  $\text{H}_2\text{SO}_4$
- \* Reaction of ethylene glycol with periodic acid.
- \* Reduction of acetone with  $\text{LiAlH}_4$
- \* Oxidation of 1°-alcohol with PCC.

8. Define  $\beta$  – elimination reaction. Discuss the mechanism of  $\text{E}_1$  and  $\text{E}_2$  reactions with example.

**OR**

Define protein. Discuss types of protein on the bases of their function (any three). Write two properties and two biological importance of protein.

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

### MODEL PAPER 2026

#### CHEMISTRY PAPER – II

Max. Marks: 17

(Science Pre-Engineering & Pre-Medical Groups)

Time: 20 minutes

According to New Book

#### SECTION 'A'

##### (MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.) (Marks : 17)

**NOTE:**

- i) This section consists of 17 part questions and all are to be answered. Each part question carries one mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.
- iii) The use of scientific calculator is allowed

1. Choose the correct answer for each from the given options:

- i) The oxidation states of the elements of group VII A:  
\* +1 and +3      \* -1, +5 and -5 \*      -3, +3 and +5 \*      -1, +1, +3, +5 and +7
- ii) This s-block element form super oxide when burn in air:  
\* Li      \* Na      \* K      \* Mg
- iii) The metal is used in making jewelry and also serve as catalyst:  
\* Pt      \* Fe      \* Pb      \* Al
- iv) The coordination number of Ni in the complex compound  $[Ni(en)_2(NO_2)_2]^{+2}$ :  
\* 4      \* 6      \* 2      \* -2
- v) The knocking of internal combustion engine can be reduced by the following petroleum process:  
\* Reforming      \* Refining      \* Distillation      \* Condensation
- vi) Welding gas among the following is:  
\* Ethene      \* Ethane      \* Methane      \* Ethyne
- vii) This pairs of compounds represent functional group isomerism:  
\* 1-butene and 2-butene      \* Ethanol and dimethyl ether  
\* n-butane and iso butane      \* Diethyl ketone and methyl propyl ketone
- viii) Benzene burns with Smokey flame because of its:  
\* Inflammability      \* High carbon percentage  
\* High resonance energy      \* Aromaticity
- ix)  $SN^2$  reaction occurs most easily if the substrate molecule is:  
\* Methyl iodide      \* Ethyl iodide      \* 2-Iodo propane      \* 2-Iodo 2- methyl Propane
- x) Lucas reagent is a mixture of:  
\* Zn and Hg      \* Zn and HCl  
\*  $ZnCl_2$  and HCl      \* NaOH and CaO
- xi) Clemmensen reduction is the conversion of aldehydes and ketones into:  
\* Alkanes      \* Alkenes      \* Alkyl halides      \* Alcohols
- xii) Formic acid is naturally found in:  
\* Venom of ants      \* Bee sting      \* Vinegar      \* Butter
- xiii) Saponification is the formation of soap by the reaction fat and oil with:  
\* Sugar      \* HCl      \* An Alkali      \* Glycerol
- xiv) Drugs that lower the body temperature to normal are known as:  
\* Antibiotics      \* Antipyretic      \* Antiallergic      \* Anti histamines
- xv) This element is used to build strong bones and teeth:  
\* Zn      \* Ca      \* Fe      \* Mg
- xvi) Ozone is produced in the stratosphere region due to photo chemical reaction of sun rays and:  
\* CFCs      \*  $NO_2$       \* NO      \*  $O_2$
- xvii) Infra-red spectroscopy is a technique use to determine:  
\* Double and triple bonds      \* Mass to charge ratio  
\* Functional group      \* Conjugated system

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **BIOLOGY PAPER – I**

Max. Marks: 36

**BOTANY (THEORY)**  
**(Science Pre-Medical Group)**

Time: 1 hour 45 minutes

**INSTRUCTIONS:** i) SECTION 'B' and SECTION 'C' must be solved on provided **E-Sheet** (Examination Copy).  
ii) Student are instructed to write their answers on page allocated for the respective question number.

**According to New Book**

### **SECTION 'B'** **(SHORT-ANSWER QUESTIONS)**

**Marks: 18**

2. Answer All part questions. All part questions carry equal marks.

- i) Write short note on Mitochondria **OR** Plastids.
- ii) Describe the role and deficiency symptoms of Nitrogen or Potassium in plant.
- iii) Why desert plants reduce their leaf size?
- iv) Define Phosphorylation and its types.
- v) How virus survive inside the host cell?

**OR**

Why Lysosomes are called Suicidal Sacs?

- vi) What are the fundamental adaptations of vascular plants for land habitat?

**OR**

How Pyruvate is converted into Acetyl-CoA?

- vii) Differentiate between aerobic and anaerobic bacteria.

**OR**

Give botanical name of the following (any two)

\* Mako \* Barley \* Amaltas \* Mulhethi

- viii) Why Protocista is not considered as monophyletic group?

**OR**

What do you mean by positive and negative sense RNA virus?

- ix) Write any four control of harmful bacteria.

**OR**

How plants cope with low temperature?

### **SECTION 'C'** **(DETAILED-ANSWER QUESTIONS)**

**Marks: 18**

**Note:** Answer any **Two** questions from this section. All questions carry equal marks.

3. Explain structure and functions of Plasma membrane with labelled diagram.

**OR**

Define Bacteria. Describe structure of Bacteria with labelled diagram.

4. Describe light independent reaction ( $C_3$ -Cycle) of photosynthesis in detail with diagram.

**OR**

What are Phytohormone? Write name and describe their role in detail.

5. Describe life cycle of Fern with the help of labelled diagram.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION MODEL PAPER 2026**

### **BIOLOGY PAPER – I**

Max. Marks: 09

#### **BOTANY (THEORY)** **(Science Pre-Medical Group)**

Time: 15 minutes

**According to New Book**

#### **SECTION 'A'**

#### **(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**(Marks : 09)**

**NOTE:**

- i) This section consists of 18 part questions and all are to be answered. Each part question carries 0.5 mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the **MCQs/OMR sheet** enclosed on the last page of provided **E-Sheet & OMR** (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  (A)  (B)  (C)  (D)
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

1. Organelles other than the nucleus that contain DNA:  
I) Ribosomes      II) Chloroplast      III) Mitochondria  
A) I only      B) II only      C) II and III      D) I and II
2. Number of Carbon dioxide molecules are formed during citric acid cycle:  
A) 2      B) 4      C) 6      D) 8
3. The Oxygen released during photosynthesis, comes from:  
A) Water      B) Carbon dioxide      C) Chlorophyll      D) Carotenoids
4. Bacteriophage escape from host cell by the activity of:  
A) Lysozyme      B) Ribozyme      C) Peroxidase      D) Reductase
5. When habitat become harsh and nutrients exhausted, its development in bacteria initiated:  
A) Capsule      B) Cell wall      C) Endospore      D) Mesosome
6. Ameoboid stage of slime mold is:  
A) Plasmodium      B) Fruiting bodies      C) Euglena      D) Sporangia
7. Sub-division of Tracheophyta does not contain true roots and leaves:  
A) Lycopsida      B) Psilopsida      C) Pteropsida      D) Sphenopsida
8. Process involved in the promotion of flowering by cold treatment:  
A) Photoperiodism      B) Vernalization  
C) Secondary growth      D) Transpiration
9. Guttation occurs through:  
A) Lenticels      B) Hydathodes      C) Stomata      D) Bark
10. Clarity of image is generally known as:  
A) Magnification      B) Contrast      C) Resolution      D) Sedimentation
11. Organelles involved in Photorespiration:  
A) 2      B) 3      C) 4      D) 5
12. Structure smaller than virus having single stranded RNA with some double stranded regions called:  
A) Viroids      B) Prions  
C) Minus strand virus      D) Double stranded DNA virus
13. Anaerobic bacteria produce chemicals during respiration except:  
A) Ethanol      B) CO<sub>2</sub>      C) Water      D) Lactic acid
14. Structure of obligate parasite, specialized for fixation and absorption:  
A) Flagella      B) Pili      C) Haustoria      D) Root hairs
15. In banana tree, flowers are covered by one or many large bracts called:  
A) Spathes      B) Spadix      C) Capitulum      D) Palea
16. The hydrostatic pressure in excess of atmospheric pressure is known as:  
A) Water potential      B) Pressure potential  
C) Osmotic potential      D) Solute potential
17. Induction of flowering in response to the relative length of day and night is known as:  
A) Photoperiodism      B) Photophosphorylation  
C) Photorespiration      D) Phototropism
18. Double fertilization is the characteristic feature of:  
A) Gymnosperm      B) Bryophyta      C) Lycopsida      D) Angiosperm

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **BIOLOGY PAPER – II**

Max. Marks: 32

**BOTANY (THEORY)**  
**(Science Pre-Medical Group)**

Time: 1 hour 45 minutes

**According to New Book**

### **SECTION 'B'** **(SHORT-ANSWER QUESTIONS)**

**Marks: 16**

2. Answer any **Eight** part questions. Each part question carries equal marks.

- i) What are the causes and symptoms of Corona virus?  
**OR**  
Name the major mechanism of diseases management.
- ii) Define Speciation. Name different types of Speciation.
- iii) What is Test cross? Explain with the help of checker board.
- iv) Differentiate renewable and non-renewable resources.  
**OR**  
What is the role of DNA ligase in rDNA technology?
- v) Describe the process of denitrification.
- vi) What are leading and lagging strands of DNA during replication?
- vii) Why haemophilia is common in male?
- viii) Why Amp<sup>R</sup> and Lac<sup>Z</sup> genes are used in construction of rDNA?
- ix) Why Mutation is not always harmful?
- x) Explain concept of trophic level.
- xi) Write a note on Tissue culture.
- xii) Write name of enzymes involved in replication of DNA and their function.
- xiii) Why 'O' negative blood group individuals considered as universal donor?
- xiv) Why endosymbiotic theory seems to be more powerful in dealing with the evolution of eukaryotes?

### **SECTION 'C'** **(DETAILED-ANSWER QUESTIONS)**

**Marks: 16**

**Note:** Answer any **Two** questions from this section. All questions carry equal marks.

3. What is Succession? Describe Xerarch or Hydrarch succession.
4. Describe latest techniques to enhance the crop and fruit yield.  
**OR**  
Explain gene amplification through PCR and mention any two applications.
5. Define Mendel's law of Independent Assortment and explain with the help of checker board.  
**OR**  
Describe the process of Translation in gene expression.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **BIOLOGY PAPER – II**

Max. Marks: 08

### **BOTANY (THEORY)** **(Science Pre-Medical Group)**

Time: 15 minutes

**According to New Book**

### **SECTION 'A'** **(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)** **(Marks: 08)**

**NOTE:** i) This section consists of 16 part questions and all are to be answered. Each part question carries  $\frac{1}{2}$  mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i)	Removal of floating solid and organic materials from the sewage is:	*	Secondary treatment
	* Primary treatment	*	No Treatment
ii)	Fungi that gives puff appearance to dough is called:	*	Penicillium
	* Lactobacillus * Saccharomyces	*	E.coli
iii)	The significance of Polymerase Chain Reaction (PCR) is:	*	Creating GMO
	* Detecting Protein	*	for amplifying specific DNA fragment
iv)	Gel electrophoresis is a technique used to separate DNA fragments significance of this technique is to:	*	Sequence DNA
	* Study gene expression	*	Identify genetic disorder
v)	Genomic map are useful for:	*	Creating genetically modified interaction
	* Identifying genes associated with specific disease	*	Detecting Protein-Protein interaction
vi)	The significance of Monoclonal antibodies is:	*	Diagnose diseases
	* Study gene expression	*	Develop new drugs
vii)	In plants, the source of carbon for carbon cycle is:	*	Atmospheric carbon dioxide
	* Carbonate rock	*	Sunlight
viii)	The pioneers in Xerarch succession are:	*	Shrubs
	* Foliose lichens * Mosses	*	Crustose lichens
ix)	Theory of natural selection was lacking any support from:	*	Genetics
	* Biogeography	*	Molecular biology
x)	Archaeopteryx is a connecting link between:	*	Reptiles and Aves
	* Amphibians and Reptiles	*	Fish and Amphibians
xi)	The gene which interferes and masks the phenotype of non-locus gene:	*	Sex-linked gene
	* Mutant gene * Epistatic gene	*	Holandric gene
xii)	A boy is color blind, which could be the genotype of his mother:	*	X <sup>n</sup> Y
	* X <sup>N</sup> X <sup>N</sup>	*	X <sup>N</sup> X <sup>n</sup>
xiii)	The allele of holandric gene is located at:	*	Y-Chromosomes
	* X-Chromosomes	*	Autosomes
xiv)	International society of blood transfusion has found blood group system:	*	more than 30
	* 10 * 15 * 20	*	
xv)	Plant having staminate flower can perform the following:	*	Double fertilization
	* Cross pollination * Self pollination	*	Parthenocarpy
xvi)	The Nitrogenous base present in RNA but not in DNA:	*	Uracil
	* Adenine * Guanine	*	Cytosine

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **BIOLOGY PAPER – I**

Max. Marks: 32

### **ZOOLOGY (THEORY)** **(Science Pre-Medical Group)**

Time: 1 hour 40 minutes

**INSTRUCTIONS:** i) SECTION 'B' and SECTION 'C' must be solved on provided **E-Sheet** (Examination Copy).  
ii) Student are instructed to write their answers on page allocated for the respective question number.

**According to New Book**

### **SECTION 'B'** **(SHORT-ANSWER QUESTIONS)** Marks: 16

**Note:** Answer any **Eight** part questions in all. Select four **Reasoning Questions** and four **Non-Reasoning Questions**. All part questions carry equal marks.

2. a) **Reasoning Questions:**

- i) Why does an oil drop spread when placed on the surface of water?
- ii) Aschelminthes possess a body cavity, but it is called a pseudocoelom. Why?
- iii) Why is inflammation not always beneficial to the body?

**OR**

Why closed circulatory system is more efficient than an open circulatory system?

- iv) Why does gastric acid not damage the stomach lining?

**OR**

How does pH affect enzyme activity?

- v) Why do fats yield more energy than carbohydrates?

**OR**

Why does the rate of breathing increase during exercise or running?

b) **Non-Reasoning Questions:**

- vi) Differentiate between cartilaginous fish and bony fish.

- vii) Mention the structure of DNA.

**OR**

Define blood pressure.

- viii) Write note on pulmonary tuberculosis.

**OR**

Define protostomes and deuterostomes.

- ix) Write note on single circulation and double circulation with examples.

**OR**

Define enzyme concentration and substrate concentration.

### **SECTION 'C'** **(DETAILED-ANSWER QUESTIONS)** Marks: 16

**Note:** Answer any **Two** questions from this section. All questions carry equal marks.

3. Describe the classification of proteins. Also list structural and functional proteins with examples.

4. Describe the general characteristics of Class Aves. Also mention its subclasses with suitable examples.

5. What is the innate immune system? Give a detailed account of the first line of defense.

**OR**

Define Lymphatic System. Describe Lymphatic System of man. Write its significance.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION MODEL PAPER 2026**

### **BIOLOGY PAPER – I**

#### **ZOOLOGY (THEORY)** **(Science Pre-Medical Group)**

Max. Marks: 08

Time: 20 minutes

**According to New Book**

#### **SECTION 'A', (MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks : 08**

**NOTE:**

- i) This section consists of 16 part questions and all are to be answered. Each part question carries 0.5 mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the **MCQs/OMR sheet** enclosed on the last page of provided **E-Sheet & OMR** (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  A  B  C  D
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

1. This is an example of a steroid:  
A) Aldosterone      B) Testosterone      C) Insulin      D) Glycogen
2. The non-protein part of an enzyme is called:  
A) Co-enzyme      B) Co-factor      C) Apo-enzyme      D) Holoenzyme
3. This is an example of a water vascular system:  
A) Prawn      B) Unio      C) Planaria      D) Starfish
4. These teeth are used to tear flesh:  
A) Molar      B) Incisor      C) Canine      D) Premolar
5. Foreign material blocking an artery is an example of:  
A) Thrombus      B) Inflammation      C) Embolus      D) Edema
6. The protein portion of an enzyme without its co-enzyme is called:  
A) Apoenzyme      B) Holoenzyme      C) Prosthetic group      D) Substrate
7. Oxygenated blood first drains into the:  
A) Right ventricle      B) Left atrium      C) Right atrium      D) Left ventricle
8. Antibodies are produced by:  
A) T-cells      B) B-cells      C) Plasma cells      D) Macrophages
9. This carbohydrate is not digested in the human body:  
A) Starch      B) Cellulose      C) Fructose      D) Lactose
10. This is the oxygen carrier in blood:  
A) Myoglobin      B) Haemocyanin      C) Haemoglobin      D) Oxytocin
11. This structure provides support to the body of a sponge:  
A) Spicule      B) Gemmule      C) Spongocoel      D) Amoebocyte
12. Degeneration of alveoli leads to:  
A) Tuberculosis      B) Emphysema      C) Sinusitis      D) Pneumonia
13. This is an example of a globular protein:  
A) Haemoglobin      B) Silk      C) Elastin      D) Collagen
14. This character is absent in lamprey:  
A) Teeth      B) Jaws      C) Tongue      D) Gills
15. This artery supplies blood to the heart:  
A) Coronary artery      B) Pulmonary artery      C) Renal artery      D) Systemic artery
16. All actively participate in phagocytosis except:  
A) Neutrophil      B) Basophil      C) Monocyte      D) Macrophage

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **BIOLOGY PAPER – II**

#### **ZOOLOGY (THEORY)** **(Science Pre-Medical Group)**

Max. Marks: 36

Time: 1 hour 40 minutes

**According to New Book**

### **SECTION 'B'** **(SHORT-ANSWER QUESTIONS)** Marks: 18

**Note:** Attempt any **Nine** part questions in all. Select five **Reasoning Questions** and four **Non-Reasoning Questions**. All part questions carry equal marks.

2. a) **Reasoning Questions:**

- i) Why do impulses travel faster in myelinated neurons?
- ii) Why do cardiac muscles not fatigue?
- iii) Why do starfish and jellyfish not require osmoregulation?
- iv) Why do animals excrete different types of excretory waste?
- v) How are biological rhythms important to humans?
- vi) Why is cleavage in birds and reptiles called meroblastic?
- vii) Pancreas classified as both an exocrine and endocrine gland. Why?
- viii) Why female hormonal system considered more efficient than the male?

b) **Non-Reasoning Questions:**

- ix) Write note on threshold potential.
- x) Differentiate between bone and cartilage.
- xi) Mention the problems associated with kidney transplants.
- xii) Define taxis. Mention positive and negative taxis with examples.
- xiii) Differentiate between blastula and gastrula.
- xiv) List the hormones of the anterior pituitary.
- xv) List the causes of male **OR** female infertility.

### **SECTION 'C'** **(DETAILED-ANSWER QUESTIONS)** Marks: 18

**Note:** Answer any **Two** questions from this section. All questions carry equal marks.

3. Explain the resting membrane potential, depolarization and action potential. Draw a neat and labelled diagram of Resting potential
4. Explain blastula (blastocyst) with emphasis on the segmentation cavity.
5. Explain the function of the kidney with a diagram.

**OR**

Explain the sliding filament model of muscle contraction also mention the cross-bridge cycle with the help of a diagram.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**BIOLOGY PAPER – II**

**ZOOLOGY (THEORY)**  
**(Science Pre-Medical Group)**

Max. Marks: 09

Time: 20 minutes

**According to New Book**

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks : 09**

**NOTE:** i) This section consists of 18 part questions and all are to be answered. Each part question carries  $\frac{1}{2}$  mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) The major inhibitory neurotransmitter of the brain is:  
\* Acetylcholine      \* Epinephrine      \* GABA      \* Endorphin

ii) The inflammation in kidneys due to stones is called:  
\* Lithonephritis      \* Edema      \* Sarcoma      \* Encephalitis

iii) These joints hold bones by dense connective tissue containing:  
\* Fibrous joint      \* Syndesmosis      \* Gomphosis      \* Synovial joints

iv) Long term memory associated with this part of brain:  
\* Amygdala      \* Hypocampus  
\* Medulla Oblongata      \* Hypothalamus

v) The inner cell mass of a blastocyst gives rise to::  
\* The placenta      \* The embryo  
\* The umbilical cord      \* The amniotic fluid

vi) Mild to severe grade of stretching or tearing of a ligament is called:  
\* Spasm      \* Tetany      \* Sprain      \* Cramp

vii) Agonistic behaviour is the type of:  
\* Innate behavior      \* Learning behavior  
\* Social behavior      \* Instinctive behavior

viii) A common physical change associated with aging is:  
\* Increased muscle mass      \* Decreased bone density  
\* Improved memory      \* Increased metabolism

ix) Key hormones in the female reproductive system that regulate the menstrual cycle:  
\* Estrogen      \* Progesterone      \* LH      \* FSH

x) The decrease in response to repeated or continuous stimulation is called:  
\* Insight      \* Habituation      \* Imprinting      \* Instinct

xi) The hormones secreted by the adrenal gland in response to stress and promote(s) the synthesis of glucose from non-carbohydrate substrates is:  
\* Glucagon      \* Glucocorticoids      \* Epinephrine      \* Thyroxine

xii) Workers (honey bee) are:  
\* Fertile females      \* Fertile males      \* Sterile females      \* Sterile males

xiii) To maintain stability according to changing condition of an environment is called:  
\* Homeostasis      \* Osmoregulation      \* Excretion      \* Biological rhythms

xiv) The process of fertilization occurs in the:  
\* Uterus      \* Fallopian tube      \* Cervix      \* Vagina

xv) Animal excrete Ammonia are called:  
\* Amniote      \* Chorion      \* Ammonotelic      \* Uricotelic

xvi) In males, FSH promotes the development and maturation of:  
\* Testosterone      \* Sperm cells      \* Egg cells      \* Polar cells

xvii) The process of fertilization occurs in the:  
\* Uterus      \* Fallopian tube      \* Cervix      \* Vagina

xviii) The surface of a neuron that discharges vesicles is the:  
\* Dendrite      \* Axon hillock  
\* Presynaptic membrane      \* Postsynaptic membrane

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**COMPUTER SCIENCE PAPER – I**

Max. Marks: 60

(Science General Group)

Time: 2 hours 40 minutes

**INSTRUCTIONS:** i) SECTION ‘B’ and SECTION ‘C’ must be solved on provided **E-Sheet** (Examination Copy).  
ii) Student are instructed to write their answers on page allocated for the respective question number.

**SECTION ‘B’**  
**(SHORT-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer **All** part questions from this section. All part questions carry equal marks.

2. i) What is Information Technology? Write any three uses or abuses of IT.

**OR**

How can be a Bar Code Reader useful in superstore?

ii) What are the differences between Hardcopy and Softcopy?

**OR**

Differentiate between Synchronous transmission and Asynchronous Transmission.

iii) Define computer virus with examples. ? Name any five antivirus.

**OR**

What devices are useful to print huge drawing or maps? Give their names.

iv) What is fetch Cycle? Draw its diagram.

**OR**

Name the component of data communication.

v) What is Modulation and Demodulation?

**OR**

How is a Compiler more efficient than Interpreter?

vi) Write any four differences between Impact printers and Non-Impact Printers.

vii) Define the LAN component which is useful to allow communication between two different networks.

viii) Differentiate between Analog signals and Digital Signals.

ix) What is the difference between Broadcast and Point-to-Point.

x) Write full form of any **Three** of the following:

\*      OCR      \*      GUI      \*      SVGA      \*      CRT      \*      BIOS

**SECTION ‘C’**  
**(DETAILED-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer **All** questions from this section. All questions carry equal marks.

3. What is an Operating System? Explain its Functions.

**OR**

What is Computer Register? Explain its types.

4. Explain data communication channels with examples.

**OR**

Explain secondary storage devices with examples.

5. Draw and explain OSI reference model.

**OR**

What is meant by Computer Network? Classify by their scale and limitation.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**COMPUTER SCIENCE PAPER – I**

Max. Marks: 15

(Science General Group)

Time: 20 minutes

**SECTION 'A'**

**NOTE:**

- i) This section consists of 15 part questions and all are to be answered. Each part question carries one mark.
- ii) This Section 'A' of Multiple Choice Question (MCQs) must be solved on the **MCQs/OMR sheet** enclosed on the last page of provided **E-Sheet & OMR** (Examination Copy).
- iii) The correct answer bubble must be filled on MCQs / OMR sheet 1)  A  B  C  D
- iv) Use only blue / black ball point on MCQs / OMR sheet.
- v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
- vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

1. Choose the correct answer for each from the given options:

1. 1 Gigabyte (GB) data is equivalent to:  
A) 1024 KB      B) 1024 Bytes      C) 1024 MB      D) 1024 TB
2. Floppy Disk and Hard Disk are the types of:  
A) Optical Disk      B) Magnetic tape      C) Magnetic Disk      D) Flash Memory
3. SIMM is the abbreviation of:  
A) Single interfacing Memory Module      B) Simple Inline Memory Module  
C) Single Inline Memory Module      D) Simple Inline Memory Mode
4. OSI Model contain:  
A) six layers      B) five layers      C) three layers      D) seven layers
5. The Cheapest topology is:  
A) Ring      B) Bus      C) Tree      D) Star
6. A Computer virus is a:  
A) Signal      B) Software      C) Hardware      D) Firmware
7. It is scanning input device:  
A) Keyboard      B) Mouse      C) Track ball      D) OMR
8. The electrical path that carries data from one computer devices to another is called:  
A) Bus      B) CPU      C) Circuit      D) Chip
9. This LAN component connects two similar networks:  
A) Server      B) Bridge      C) Router      D) Gateway
10. Coaxial cable and fiber optics are the examples of:  
A) Router      B) Communication Media  
C) Modem      D) Switch
11. This mark-up language is used to produce Web pages:  
A) XML      B) HTML      C) SGML      D) WML
12. The most common protocol used for e-mail is:  
A) FTP      B) TCP/IP      C) SMTP      D) IEEE
13. The process of converting an analog signal to digital signal is called:  
A) Modulation      B) Telecommunicating  
C) Demodulation      D) Switching
14. It is the set of Rules on the internet:  
A) Topology      B) Protocol      C) Router      D) Modem
15. A mode of communication that allows information to travel two direction but not simultaneously is called:  
A) Full duplex      B) Half duplex      C) Synchronous      D) Simplex

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**COMPUTER SCIENCE PAPER – II**

Max. Marks: 60

(Science General & Humanities Groups – Regular)

Time: 2 hours 40 minutes

**NOTE:** This paper comprises **Two** independent options – **(I) Programming Using 'C'** and **(II) Programming Using Visual Basic**. The candidates have to attempt any **One** Option, **Programming Using 'C'** OR **Programming Using Visual Basic**, whichever they have offered.

**OPTION – I**  
**PROGRAMMING USING 'C'**

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer any **Ten** part questions from this section. All part questions carry equal marks.

2. i) Write the Basic Structure of C program.  
ii) Define #include or #define in C? Give any two examples.  
iii) Write a program that prints multiplication table of a inputted number.  
iv) Differentiate between break and continue statements in C.  
v) What are reserved words in C language? Name any three.  
vi) What is address operator (&)? Give an example.  
vii) Write a program that inputs number and prints its factorial.[hint 4!=24].  
viii) How does scanf() statement is different from getchar() statement.  
ix) Differentiate Primary key and Foreign key.  
x) If  $a = 2$ ,  $b = 5$  and  $c = 10$  then write the output of the following expressions:  
\*  $200*((a*10)+c)$  \*  $a*b*10/c+a+c$  \*  $a-(c/b) / 2+100$   
xi) Name the major component of DBMS.  
xii) Write a program that inputs two integer numbers and prints the greater number using Function.  
xiii) Convert any **THREE** of the following into C equivalent statements:  
\*  $A = \frac{1}{2} \text{base. Height}$  \*  $x = 3ab^3 + 3a^2b$   
\*  $d = |b^2 - 4ac|$  \*  $A = \pi r^2$   
xiv) Write any one program of the following that prints the following using nested loops:  
a)   
b)  
Number Square  
1 1  
12 2 4  
123 3 9  
1234 4 16  
12345 5 25  
xv) Define the following term:  
\* Table \* Query \* Report

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer any **Three** questions from this section. All questions carry equal marks.

3. Define switch statement with logical diagram.  
4. What are different types of operators used in any C language program? Explain.  
5. What are main characteristics of a function? Describe with example.  
6. What is data model? Explain its types of data models in DBMS.  
7. Explain data types in MS-Access.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**COMPUTER SCIENCE PAPER – II**

Max. Marks: 15

(Science General & Humanities Groups – Regular)

Time: 20 minutes

**NOTE:** This paper comprises **Two** independent options – **(I) Programming Using 'C'** and **(II) Programming Using Visual Basic**. The candidates have to attempt any **One** Option, **Programming Using 'C'** OR **Programming Using Visual Basic**, whichever they have offered.

**OPTION – I**  
**PROGRAMMING USING 'C'**

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks : 15**

**NOTE:** i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

i) This is the only function all C programs must contain:  
\* start() \* getch() \* main() \* printf()

ii) Dennis Ritchie is the founder of this language:  
\* C \* BASIC \* JAVA \* PASCAL

iii) The person who write application programs in different programming languages is called:  
\* Programmer \* End user \* DBA \* KPO

iv) C programs are converted into machine language with the help of:  
\* Editor \* Assembler \* Compiler \* Debugger

v) This is not a valid identifier:  
\* Number \* 5number \* NUMBER5 \* Number\_5

vi) % operator only used with.  
\* float \* int \* double \* string

vii) This is an example of post increment operator:  
\* k++ \* ++k \* k+= \* k=+

viii) It has the highest precedence in arithmetic operators:  
\* + \* - \* / \* %

ix) It is a unique key in a table:  
\* Primary key \* Foreign key \* Super key \* Candidate key

x) This statement is used to skip the rest of a loop and carry on from the top of the loop again.  
\* break \* resume \* continue \* skip

xi) In DBMS an advantage of the database management approach is  
\* data is dependent on programs \* data redundancy increases  
\* data is integrated and can be accessed by multiple programs \* data integrity decrease

xii) It is the primary object in a database:  
\* Table \* Query \* Report \* Form

xiii) Names given to variables, constants and functions are called.  
\* header files \* identifiers \* loops \* structures

xiv) for () loop statement is used when we need to perform  
\* Sequential structure \* Selection structure  
\* Iteration structure \* Top down structure

xv) Commnets are enclosed within these symbols:  
\* /\*..\*/ \* /\*../\* \* \*/../\* \* \*/\*\*\

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**COMPUTER SCIENCE PAPER – II**

Max. Marks: 60

(Science General & Humanities Groups – Regular)

Time: 2 hours 40 minutes

**NOTE:** This paper comprises **Two** independent options – **(I) Programming Using 'C'** and **(II) Programming Using Visual Basic**. The candidates have to attempt any **One** Option, **Programming Using 'C'** OR **Programming Using Visual Basic**, whichever they have offered.

**OPTION – II**  
**PROGRAMMING USING 'VISUAL BASIC'**

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer any **Ten** part questions from this section. All part questions carry equal marks.

2. i) Write any four advantage of DBMS.  
ii) What is Combo Box? List its properties.  
iii) How can a variable be defined as variant type?  
iv) Define one-to-many relationship with diagram.  
v) Define any four objects in MS-Access.  
vi) Write the structure of Select Case.  
vii) Who is Database Administrator? Write any three of his responsibilities.  
viii) What are basic ActiveX controls in VB?  
ix) Write the full form of any three of the following:  
\* ADO \* MDI \* SQL \* DBA \* OLE  
x) Write the properties of Text Box.  
xi) Write the VB equivalent expression any **Three** of the following:  
$$* X = \frac{(2ab)^2}{3c} * Y = \frac{4}{3} \pi r^3 * Y = (a^2 + b^3)^n * a = \frac{1}{2} \text{ base} \times \text{height}$$
  
xii) What is error? Define its types.  
xiii) Write a program in VB to generate all even numbers from 0-50.(use loop)  
xiv) Write a program in VB to calculate the sum and average of ten inputted numbers.  
xv) What is the difference between Primary Key and Foreign Key?

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS)**

**Marks: 30**

**Note:** Answer any **Three** questions from this section. All questions carry equal marks.

3. Explain Array and its types with examples.  
4. What is a Loop? Define any two types with examples.  
5. What is built-in function in VB? Explain with any program.  
6. Explain all database models with diagram.  
7. Explain all the data types used in MS-Access.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

## **COMPUTER SCIENCE PAPER – II**

Max. Marks: 15

### **(Science General & Humanities Groups – Regular)**

Time: 20 minutes

**NOTE:** This paper comprises **Two** independent options – **(I) Programming Using 'C'** and **(II) Programming Using Visual Basic**. The candidates have to attempt any **One** Option, **Programming Using 'C'** OR **Programming Using Visual Basic**, whichever they have offered.

## OPTION – II

### PROGRAMMING USING 'VISUAL BASIC'

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)**

**Marks : 15**

**NOTE:** i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

i)	The cancel button property belongs to this object:					
	* Form	*	Label	*	Button	*
ii)	In the For...Next statement, the default value for the step is:					
	* 2	*	0	*	-1	*
iii)	In a table, a row is also called a:					
	* Field	*	Column	*	Record	*
iv)	This object in MS-Access is used to display and print data:					
	* Report	*	Table	*	Form	*
v)	This key uniquely identifies a record:					
	* Super Key	*	Foreign Key	*	Conditional Key	*
vi)	This is used to choose only one option yes (1) or No (0):					
	* Power Button	*	Check Box	*	Label Button	*
vii)	Comparison operators are also termed as:					
	* Comparators	*	Comparables	*	Relations	*
viii)	Passing a copy of the variable is referred to as:					
	* Pass by value	*	Pass by address	*	Pass by reference	*
ix)	This statement is the last statement in the function:					
	* Footer	*	Header	*	Return	*
x)	In database, columns are called:					
	* Tuples	*	Attributes	*	Keys	*
xi)	The database model organizes data into a tree like structure:					
	* Relational model	*			Hierarchical model	
	* Network model	*			Object oriented model	
xii)	This control selects a single choice from a data group:					
	* Check Box	*	Option Button	*	Caption Box	*
xiii)	A sub program which returns a value is called:					
	* Function	*	Report	*	Code	*
xiv)	Reserve word DIM explicitly declares:					
	* Variable	*	Constant	*	Keyword	*
xv)	This database model allows Query through SQL is:					
	* Network	*	Hierarchical	*	Relational	*
					Flat	

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION** **MODEL PAPER 2026**

### **STATISTICS PAPER – II**

**(Commerce Group – Regular & Private)**

**Time: 1 hour 45 minutes**

#### **SECTION ‘B’** **(SHORT-ANSWER QUESTIONS)**

**Marks : 20**

**Note:** Answer any **Five** part questions from this section. All part questions carry equal marks. The use of scientific calculator is allowed.

2. i) For the observations  $2, 4, 6, 8, 10, 12$  and  $14$  show that  $\sum(x - \bar{x}) = 0$ .  
ii) Differentiate between the following:  
a) Discrete and Continuous      b) Parameter and Statistic  
iii) A box contains 8 red balls and 4 green balls. Two balls drawn at random without replacement. Find the probability that both are red?  
iv) Compute price relatives by taking 2000 as base year for the following prices of a commodity:

Year	2000	2001	2002	2003	2004	2005	2006
Price (Rs / kg)	30	31	32	33	34	35	36

v) Draw Pie-diagram for the following data:

Item	Food	Clothing	Rent	Medical	Other
Frequency	105	40	60	35	70

vi) In how many ways can the letters of the following words be arranged:  
a) TOMORROW      b) DISTRIBUTION  
vii) Event  $A$  and  $B$  are such that  $P(A) = 0.5$ ,  $P(B) = 0.4$  and  $P(A \cap B) = 0.2$ . Find:  
a)  $P(A \cup B)$       b)  $P(A \setminus B)$   
viii) In a class, the average score of 30 male students is 70 and the average score of 20 female students is 80. What is the combined mean score of all students in the class?

#### **SECTION ‘C’** **(DETAILED-ANSWER QUESTIONS)**

**Marks : 20**

**Note:** Answer any **Two** questions from this section. All questions carry equal marks. The use of scientific calculator is allowed.

3. For the following data, find Median and Mode also locate Mode graphically:

Class Interval	10 – 12	12 – 14	14 – 16	16 – 18	18 – 20	20 – 22
Frequency	2	12	22	12	6	2

4. For the given data, calculate Fisher’s Ideal Index Numbers for the year 2021, taking 2020 as base year:

Commodities	2020		2021	
	Price	Quantity	Price	Quantity
W	10	4	12	3
X	15	5	16.5	7
Y	5.5	10	6.25	8
Z	7.2	20	7.5	20

5. Marks of 30 students are shown below:

23	32	36	41	10	25	41	43	15	34
17	5	1	16	8	15	46	45	39	33
12	32	18	31	24	28	33	27	34	4

a) Construct frequency distribution table, using classes as  $1 – 5, 6 – 10, 11 – 15$  and so on.  
b) Calculate cumulative frequencies and relative frequencies for the above data.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

### **ECONOMICS PAPER – I**

Max. Marks: 80

(Science General & Humanities Groups – Regular & Private)

Time: 2 hours 40 minutes

### **SECTION ‘B’** **(SHORT-ANSWER QUESTIONS)** Marks: 40

#### **MICRO ECONOMICS (20 Marks)**

2. Answer any **Four** of the following part questions. All part questions carry equal marks.

- i) Differentiate Stock and Supply.
- ii) Explain the Law of Diminishing Marginal Return.
- iii) Define Price Elasticity of demand and enlist its degrees.
- iv) What are the advantages of large scale of production?
- v) Explain fixed cost and variable cost with examples.
- vi) Differentiate between Micro Economics and Macro Economics.

#### **PAKISTAN ECONOMICS (20 Marks)**

3. Answer any **Four** of the following part questions. All questions carry equal marks.

- i) Enlist the causes of low per capita income of Pakistan.
- ii) Mention the sources of Agricultural credit.
- iii) What are main energy resources of Pakistan?
- iv) Define the Mechanization of agriculture in Pakistan.
- v) Name the large-scale Industries of Pakistan.
- vi) Explain the causes of high growth rate of population in Pakistan.

### **SECTION ‘C’** **(DETAILED-ANSWER QUESTIONS)** Marks: 40

#### **MICRO ECONOMICS (20 Marks)**

Note: Answer any **One** of the following questions. All questions carry equal marks.

- 4. a) Explain the Law of Diminishing Marginal Utility with the help of Schedule and Diagram.
- b) Write the assumptions of the Law of Diminishing Marginal Utility.
- 5. a) State the assumptions of Perfect Competition.
- b) Explain the firm equilibrium under perfect competition during short run.

#### **PAKISTAN ECONOMICS (20 Marks)**

Note: Answer any **One** of the following questions. All questions carry equal marks.

- 6. a) Discuss the basic Economic problems of Pakistan.
- b) Suggest measure to solve these problems.
- 7. a) Explain the importance of industrial development in Pakistan.
- b) Discuss the main problems of industrial labour.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

### **ECONOMICS PAPER – I**

Max. Marks: 20

(Science General & Humanities Groups – Regular & Private)

Time: 20 minutes

#### **SECTION 'A' (MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**(Marks : 20)**

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries one mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

- i) Demand for luxury goods becomes:  
\* Elastic \* Inelastic \* Perfectly Inelastic \* Highly elastic
- ii) Homogenous goods are sold under:  
\* Monopoly \* Perfect Competition  
\* Oligopoly \* Duopoly
- iii) The first atomic energy plant of Pakistan was established at:  
\* Islamabad \* Peshawar \* Karachi \* Lahore
- iv) According to Prof. Marshall, economics is the science of:  
\* Scarcity & Choice \* Wealth \* Material Welfare \* Capital
- v) In the long run all the factors of production are:  
\* Fixed \* Variable \* Constant \* Infinite
- vi) Law of increasing cost is also called:  
\* Law of increasing returns \* Law of diminishing cost  
\* Law of decreasing returns \* Law of substitution
- vii) The largest deposits of coal are in this province of Pakistan:  
\* Punjab \* Baluchistan \* Sindh \* KPK
- viii) The law of diminishing marginal returns applies especially to:  
\* Agriculture \* Industry \* Mining \* Fishing
- ix) The cause of law standard of living in Pakistan is:  
\* Optimum Population \* Over Population  
\* Under Population \* Population Explosion
- x) Market is an area where:  
\* Products are sold \* Price fluctuate  
\* Price are constant \* Buyers and sellers come in contact with each other
- xi) The factor combines all the factors of production:  
\* Land \* Capital \* Labour \* Organization
- xii) Microeconomics is also known as:  
\* Price Theory \* Rent Theory \* Interest Theory \* Profit Theory
- xiii) This industry is the major source of foreign exchange earnings:  
\* Cotton & Textile \* Cement Industry  
\* Sugar Industry \* Automobile Industry
- xiv) The law of Equi-marginal utility is known as:  
\* Law of Demand \* Law of Diminishing returns  
\* Law of Substitution \* Law of Supply
- xv) This not an economic good:  
\* Table \* Air \* Chair \* Land
- xvi) In Pakistan, the first largest deposits of Natural gas were discovered at:  
\* Hyderabad \* Sui \* Thar \* Chaghi
- xvii) Economic laws are:  
\* Moral \* Conditional \* Political \* Definite
- xviii) The ability of a good to satisfy human wants is called:  
\* Utility \* Usefulness \* Need \* Productivity
- xix) The source of agriculture credit in Pakistan is:  
\* ADBP \* Commercial Bank  
\* Cooperative Society \* State Bank
- xx) Steel Mill was established with the help of:  
\* France \* United Kingdom \* USSR \* USA

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

### **ECONOMICS PAPER – II**

Max. Marks: 80

(Science General and Humanities Groups – Regular & Private Group) Time: 2 hours 40 minutes

#### **SECTION 'B'** **(SHORT-ANSWER QUESTIONS)** (Marks: 40)

##### **MACRO ECONOMICS (20 Marks)**

2. Answer any **Four** of the following part questions. All part questions carry equal marks.

- i) Calculate NNP and NI, if GNP is Rs.50,000, depreciation cost is Rs.5,000, indirect tax is Rs.20,000 and subsidies are Rs.10,000.
- ii) Define Barter System. Enlist its problems.
- iii) State the functions of the Central Bank.
- iv) Differentiate between Private Finance and Public Finance.
- v) Explain the Quantity Theory of Money.
- vi) Differentiate between Domestic Trade and International Trade.

##### **PAKISTAN ECONOMICS (20 Marks)**

3. Answer any **Four** of the following part questions. All part questions carry equal marks.

- i) Describe any three functions of State Bank of Pakistan.
- ii) State the significance of roads in the economic development of Pakistan.
- iii) What are the causes of inflation in Pakistan?
- iv) Name the various means of Transportation and Communication in Pakistan.
- v) State the problems of Cottage industries in Pakistan.
- vi) Describe the Economic significance of Zakat.

#### **SECTION 'C'** **(DETAILED-ANSWER QUESTIONS)** (Marks: 40)

##### **MACRO ECONOMICS (20 Marks)**

**Note:** Answer any **One** of the following questions. All questions carry equal marks.

4. a) Define National Income.  
b) Describe various concepts of National Income.
5. a) Differentiate Direct Tax and Indirect Tax.  
b) Describe the merits and demerits of Indirect Tax.

##### **PAKISTAN ECONOMICS (20 Marks)**

**Note:** Answer any **One** of the following questions. All questions carry equal marks.

6. a) Differentiate Balance of Trade and Balance of Payment.  
b) What are the causes of unfavourable balance of payment of Pakistan?
7. a) Explain the objectives of economic planning in Pakistan.  
b) Describe the significance of exports in the economic development of Pakistan.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

### **ECONOMICS PAPER – II**

Max. Marks: 20

(Science General and Humanities Groups – Regular & Private Group)

Time: 20 minutes

#### **SECTION 'A'**

#### **(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**(Marks : 20)**

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

- i) This is not a function of the National Bank of Pakistan:
  - \* Advancement of loans
  - \* Transference of money
- ii) Balance of Payment includes:
  - \* Visible items only
  - \* both Visible and Invisible items
- iii) The rate of Zakat is:
  - \* 2.5%
  - \* 3.5%
  - \* 4.5%
  - \* 7.5%
- iv) The Quantity theory of Money was presented by:
  - \* Marshall
  - \* Keynes
  - \* Fisher
  - \* Ricardo
- v) During inflation:
  - \* Price rises
  - \* Poor becomes rich
- vi) Issuance of currency notes in Pakistan is the function of the:
  - \* Planning Commission
  - \* Commercial Banks
  - \* State Bank of Pakistan
  - \* National Bank of Pakistan
- vii) The most important source of government revenues is:
  - \* Fees
  - \* Prices
  - \* Taxes
  - \* Royalties
- viii) Net National Product is equal to:
  - \* GNP – Direct Tax
  - \* GNP – Depreciation
  - \* GNP – Subsidies
  - \* GNP – Indirect Tax
- ix) The reward of land is:
  - \* Profit
  - \* Rent
  - \* Wage
  - \* Interest
- x) This is not a function of money:
  - \* Determination of Interest rate
  - \* Standard of Value
  - \* Store of Value
  - \* Medium of Exchange
- xi) State Bank of Pakistan was established in the year A.D.:
  - \* 1947
  - \* 1948
  - \* 1949
  - \* 1950
- xii) 'CPEC' stands for:
  - \* China – Pakistan Education Control
  - \* China – Pakistan Economic Corridor
  - \* China – Pakistan Energy Commission
  - \* China – Pakistan Economic Corporation
- xiii) The largest seaport of Pakistan is:
  - \* Karachi
  - \* Gawadar
  - \* Bin Qasim
  - \* Kaiti Bandar
- xiv) The Second Five year Plan was, on the whole, considered:
  - \* a failure
  - \* a success
  - \* encouraging
  - \* discouraging
- xv) This not an indirect tax:
  - \* Income tax
  - \* Sales tax
  - \* Custom duty
  - \* Excise duty
- xvi) The Canons of Taxation were presented by:
  - \* Adam Smith
  - \* Marshall
  - \* Robbins
  - \* Keynes
- xvii) Credit Control is the responsibility of:
  - \* Industrial Bank
  - \* Commercial Bank
  - \* Central Bank
  - \* Agriculture Bank
- xviii) Extensive cultivation is possible in countries where land is:
  - \* Abundant
  - \* Scarce
  - \* Very fertile
  - \* Barren
- xix) This not a problem of barter system:
  - \* lack of double coincidence
  - \* lack of measure of value
  - \* lack of deferred payment
  - \* Divisibility of goods
- xx) Pakistan gets major portion of its income from export of:
  - \* Cotton and its product
  - \* Sports goods
  - \* Rice
  - \* Leather and its products

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

### **ACCOUNTING PAPER – I**

**(Commerce Group – Regular & Private)**

Max Marks:80

Time : 2 hours 40 minutes

#### **SECTION 'B' (SHORT-ANSWER QUESTIONS) (40 Marks)**

**NOTE:** Answer any **Four** questions from this Section. All questions carry equal marks. The use of calculator is allowed.

#### **2. GENERAL JOURNAL:**

The following transactions relate to Mr. M. Farhan, a sole trader during March 2025:

- Mar 01: Started business with cash investment of Rs.500,000.
- Mar 04: Opened a bank account with Rs.100,000.
- Mar 07: Purchased goods on credit from Mr. Rehan for Rs.40,000.
- Mar 10: Goods returned to Mr. Rehan for Rs.5,000
- Mar 16: Sold goods on account to Mr. Salman for Rs.60,000.
- Mar 22: Received cash Rs.35,000 from Mr. Salman.
- Mar 25: Withdrew cash from bank Rs.20,000 for personal use.

**Required:** Make journal entries in standard form giving narration below each entry.

#### **3. GENERAL LEDGER:**

Take the transactions contained in question no.2 of this paper.

**Required:** Setup necessary T-accounts in the general ledger and post the transactions there-in. Foot and Balance the accounts.

#### **4. CASH BOOK:**

Saima, a trader, uses a three column cash book. On September 1, 2025 he had cash on hand Rs.78,000 and cash at bank Rs.109,000. During September, she completed the following transactions:

- Sep 01: Sold goods for cash Rs.30,000 and on account Rs.20,000.
- Sep 07: Received a cheque for Rs.17,500 from Seema in full settlement of her account of Rs.18,000.
- Sep 11: Issued a cheque for Rs.14,700 to Tariq in full settlement of his account of Rs.15,000.
- Sep 18: Deposited into bank the cheque received on Sep. 7.
- Sep 27: Withdrew cash from bank Rs.7,000 for personal use and Rs.5,000 for office use.

**Required:** a) Prepare a three-column cash book and record the above transactions.  
b) Balance the Cash Book on September 30. Bring down the balances on October 1, 2025.

#### **5. SPECIAL JOURNALS:**

The following transactions were completed by Ms. Asma Trading Co. during October 2025:

- Oct. 02: Purchased goods on account from Mr. Abbas Ali for Rs.24,000.
- Oct. 06: Purchased merchandise on credit from Mr. Rizwan for Rs.16,000.
- Oct. 10: Purchased Furniture on credit from Ms. Zoobia for Rs.12,000.
- Oct. 14: Returned merchandise to Mr. Abbas Ali worth Rs.4,000.
- Oct. 20: Defective Furniture returned to Ms. Zoobia worth Rs.1,000.
- Oct. 24: Purchased goods from Mr. Muhammad for Rs.18,000.
- Oct. 28: Goods returned to Mr. Rizwan worth Rs.3,000.

**Required:** Record the above transactions in appropriate Special Journals. Ignore the irrelevant transactions.

#### **6. BANK RECONCILIATION STATEMENT:**

A comparison of the cash book and bank statement of Shehzad Saleem Super Store for the month of April-2025 revealed the following:

- i) Balance as per Cash Book Rs.10,850.
- ii) Balance as per Bank Statement Rs.13,000
- iii) Cheques deposited into bank for Rs.30,000, of which bank has collected Rs.16,000.
- iv) Cheques issued for payment Rs.40,000, of which Rs.31,000 were paid by bank.
- v) Interest credited by bank Rs.2,000 not recorded in the cash book
- vi) Bank charges Rs.500 recorded in bank statement only.
- vii) Direct deposit by a customer Rs.7,000 not recorded in the cash book.
- viii) Issued a cheque for purchase of supplies of Rs.1,500 was recorded in the cash book as Rs.150.

**Required:** a) Prepare a bank reconciliation statement of Shehzad Saleem Super Store as on April 30, 2025.  
b) Prepare necessary adjusting entries.

#### **7. CORRECTION OF ERRORS:**

Following errors were found before closing of books of Farooqui Sons. You are required to make journal entries to correct each of the following errors:

- i) Return of defective goods by a customer amounting to Rs.10,000 was charged to sales.
- ii) Purchase of office equipment costing Rs.50,000 was debited to purchases account.
- iii) Accrued commission income of Rs.5,000 was overlooked.
- iv) Purchase of supplies for Rs.3,950 cash was recorded and posted as Rs.3,590.
- v) Purchase of furniture on account for Rs.5,000 was recorded and posted as Rs.50,000.
- vi) Cash Rs.20,000 paid to Badar Alam & Co. was recorded as paid to Badar Alam & Brothers.

**Continued on the next page**

**SECTION ‘C’**

**(DETAILED-ANSWER QUESTIONS) (40 Marks)**

Answer any **Two** questions from this section. All questions carry equal marks

**8. FINANCIAL STATEMENTS:**

The following balances taken from the pre-closing trial balance of Noman Traders as on December 31, 2025:

Cash Rs.45,000, Accounts Receivable Rs.48,000, Merchandise Inventory (01-01-25) Rs.18,000, Furniture Rs.130,000, Allowance for depreciation-furniture Rs.13,000, Accounts Payable Rs.17,000, Capital-Noman Rs.150,000, Sales Rs.210,000, Purchases Rs.106,000, Prepaid Insurance Rs.16,000, Salaries Expense 20,000, Sales returns Rs.10,000, Drawing – Noman Rs.12,000, Unearned Commission Rs.15,000.

**Supplementary Data for Adjustments:**

- i) Salaries outstanding Rs.4,000
- ii) Insurance unexpired Rs.10,000
- iii) 10% Depreciation was estimated on furniture
- iv) Provide bad debts @ 2% of net sales.
- v) Commission earned Rs.5,000.
- vi) Merchandise Inventory on Dec. 31 Rs.14,000

**Required:**

- a) Prepare an Income Statement for the year ended December 31, 2025.
- b) Prepare a classified balance sheet as on December 31, 2025.

**9. PERIODIC ADJUSTMENTS & ADJUSTED TRIAL BALANCE:**

Take the data contained in question no.8 of this paper and

**Required:** Prepare Adjusting Entries and Adjusted Trial Balance on December 31, 2025.

**10. CLOSING ENTRIES AND POST CLOSING TRIAL BALANCE:**

Take the data contained in question no.8 of this paper and

**Required:** Prepare Closing Entries and Post-Closing Trial Balance on December 31, 2025.

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

### MODEL PAPER 2026

## ACCOUNTING PAPER – I

(Commerce Group – Regular & Private)

Max. Marks: 20

Time: 20 minutes

### SECTION 'A'

#### (MULTIPLE CHOICE QUESTIONS – M.C.Qs.)

**Marks : 20**

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.
- iii) The use of calculator is allowed.

1. Choose the correct answer for each from the given options:

- i) A business transaction affects:
  - \* At least one account \* Maximum three accounts
  - \* At least three accounts \* At least two accounts
- ii) The cash or goods taken away by the owner from the business for his personal use is/are called:
  - \* Capital \* Purchases \* Drawings \* Cash
- iii) The following statement is incorrect:
  - \* Assets – Capital = Liabilities \* Liabilities + Capital = Assets
  - \* Liabilities + Assets = Capital \* Assets – Liabilities = Capital
- iv) The following is not a current liability:
  - \* Bank Overdraft \* Mortgage payable
  - \* Salaries Payable \* Unearned Rent
- v) The following is a Revenue:
  - \* Unearned commission \* Commission receivable
  - \* Commission payable \* Commission earned
- vi) If assets of a firm are Rs.59,250 and liabilities are Rs.28,150 then the amount of Capital will be:
  - \* 29,100 \* 21,000 \* 31,100 \* 31,000
- vii) The act of recording transactions in the Journal is called:
  - \* Journalizing \* Posting \* Balancing \* Ledger
- viii) A short explanation of transaction is written under each entry is called:
  - \* Narration \* Indentation \* Footing \* Balancing
- ix) The following best describes a Trial Balance:
  - \* Shows the financial position of the business \* It is a special account
  - \* Shows all the entries in the books \* It is a list of balances of the Ledger Accounts
- x) The transaction recorded on both sides of Cash Book is called:
  - \* Receipt Entry \* Payment Entry \* Contra Entry \* Compound Entry
- xi) The petty cash book is used for recording:
  - \* Petty payments \* Petty receipts
  - \* All cash payments \* All cash receipts
- xii) The span of time for which a business generally prepares its financial statements is termed as:
  - \* Accounting period \* Accounting cycle
  - \* Accounting standards \* Manufacturing period
- xiii) A bank reconciliation statement reconciles the:
  - \* Ledger with the journal \* Cash book with the petty cash book
  - \* Bank statement with the cash book \* Control account with subsidiary ledger
- xiv) The purchases journal is the book of original entry used to record the:
  - \* Purchase of tangible asset on credit \* Purchase of merchandise for cash
  - \* Purchase of merchandise on credit only \* Sale of merchandise on credit
- xv) The expenses incurred but have not been actually paid till the end of the current year, are known as:
  - \* Prepaid expenses \* Unexpired expenses
  - \* Accrued expenses \* Unearned revenue
- xvi) If there is a net loss of Rs.5,000 and Revenues are Rs.55,000 then the expenses are:
  - \* 40000 \* 50000 \* 60000 \* 70000
- xvii) The following is not a merchandise of a stationery shop:
  - \* Note book \* Stapler \* Bicycle \* Fountain Pen
- xviii) The capital account will not be affected by:
  - \* Additional Investment \* Drawing
  - \* Purchase of furniture \* Net loss
- xix) The following item is not responsible for differences between cash book balance and bank statement:
  - \* Interest given by bank \* Outstanding cheque
  - \* Direct deposit by customer \* Equipment purchased on cash
- xx) This is a merchandising business:
  - \* Beauty parlor \* Medical store \* Motor workshop \* Estate agency

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

### MODEL PAPER 2026

## ACCOUNTING PAPER – II

(Commerce Group – Regular & Private)

Max. Marks: 80

Time: 2 hours 40 minutes

### SECTION 'B'

#### (SHORT-ANSWER QUESTIONS)

(Marks : 40)

**NOTE:** Answer any Four questions from this Section. All questions carry equal marks. The use of calculator is allowed.

**2. Accounting for Non – Profit Earning Concerns:**

The following are the receipts and payments of accounts of A.P.W.A. Welfare Trust for 2025:

RECEIPTS		PAYMENTS	
Opening Bank Balance	Rs.23,100/-	Salaries	Rs.36,000/-
Subscription fees	Rs.89,000/-	Utilities	Rs.11,200/-
Other Revenues	Rs.16,400/-	Repairs	Rs.3,000/-
		Other Expenses	Rs.29,600/-
		Furniture	Rs.30,000/-

Adjustment data at December 31, 2025:

- i) Accrued subscription fees Rs.4,600 and subscription received in advance Rs.1,600.
- ii) Prepaid salaries Rs.2,800.
- iii) Accrued utilities Exp. Rs.1,400/-
- iv) Depreciation on furniture Rs.3,000.

**Required:** Prepare Income and Expenditure account for the year ended December 31, 2025.

**3. Partnership – Division of Profit & Loss:**

Noman and Farooqui are equal partners with capitals of Rs.220,000 and Rs.180,000 respectively. It is decided that partners will receive interest @ 15% per annum on their capitals and a monthly salary allowance of Rs.2,500 and Rs.2,000 respectively. Farooqui who manages the business is to receive a commission of Rs.6,000. Net Income for the year ended December 31 2025, is Rs.80,000. Capitals are fixed.

**Required:** Prepare an Income Distribution Summary and also record the necessary journal entries.

**4. Partnership – Retirement:**

Kulsoom, Saba and Bushra are partners having capital balances of Rs.90,000, Rs.60,000 and Rs.30,000 respectively, sharing profits & losses in the ratio of their capitals. Bushra decides to retire from the firm.

**Required:** Give entries in general journal to record Bushra's retirement under the following cases separately:

- i) Bushra sells 1/3 of his share to Kulsoom for Rs.15,000 and remaining to Saba for Rs.25,000 cash.
- ii) Bushra is paid Rs.25,000 from firm's resources after revaluation of assets.

**5. Partnership – Liquidation:**

The partners who own the Triple A Co. Ltd. have agreed to liquidate the partnership. A Balance Sheet as at March 31 2025, is shown here.

Balance Sheet			
Cash	Rs.20,000	Accounts Payable	Rs.160,000
Other Assets	?	Capital – Amar	Rs.120,000
		Capital – Akbar	Rs.80,000
		Capital – Anthony	Rs.40,000

Other assets are sold for Rs.230,000. Liabilities are paid in full. Anthony is personally insolvent. The partners share profits and losses equally.

**Required:** Give necessary journal entries.

**6. Company – Issuance of Shares & Debentures:**

BIGG BOSS Co. Ltd. completed the following transactions:

- i) Offered to the public 40000 shares of Rs.10 each at Rs.12 per share. Applications were received for 30,000 shares. As per agreement the underwriters subscribed for the balance of their shares. The Co. finalized the allotment of shares.
- ii) Purchased Land for Rs.180,000 and in consideration issued shares at a market value of Rs.12/- each.
- iii) In consideration of the services of the promoters, the company issued 8000 shares of Rs.10/- each. Each share has a market value of Rs.12.50.
- iv) Received Rs.190,000 against issuance of 2,000 12% debentures of Rs.100 each, redeemable after 5 years at Rs.110 each.

**Required:** Record the above transactions in the General Journal.

Continued on next page .....

**7. Company – Disposal of Net Income:**

The Retained Earnings account in the books of Badar Alam Company Ltd. showed a credit balance of Rs.450,000 on December 31, 2025. The Income Summary account for the year ending on that date showed a Net Income of Rs.600,000, which was transferred to Retained Earnings account. The directors of the company decided:

- i) To declare a cash dividend at Rs.2 per share.
- ii) To declare a stock dividend at 10% for which ordinary shares at par were issued.
- iii) To establish reserve for debenture redemption Rs.40,000 and for Contingencies Rs.80,000.

**Required:** Give entries in General Journal to give effect to the above decisions and prepare a Statement of Retained Earnings for the year ended December 31, 2025. (Paid-up capital of the company is Rs.1,000,000)

**SECTION 'C'**

**(DETAILED-ANSWER QUESTIONS)**

**(Marks : 40)**

**NOTE:** Answer any **Two** questions from this Section. All questions carry equal marks.

**8. Single Entry:**

Mr. M. Farhan started business on July 1 2025, with an investment of Rs.250,000 and maintains his accounting records on single entry basis. On December 31, 2025 the following information was obtained from his accounting records: Cash Rs.85,000, Accounts Receivable Rs.90,000, Merchandise Inventory Rs.120,000, Office Equipment Rs.80,000, Accounts payable Rs.35,000.

During the year he withdrew Rs.5,000 per month for personal use and made an additional investment of Rs.50,000. Depreciation on office equipment was estimated at 10% per annum and the bad debts was estimated at Rs.5,000. Accrued salaries Rs.6,000 and Prepaid Insurance Rs.3,500.

**Required:**

- a) Compute Capital at End and Prepare a Statement of Profit & Loss for the period ended December. 31, 2025.
- b) Prepare a Statement of Affairs as on December 31, 2025.

**9. Partnership – Admission:**

Asma and Saima are partners having capitals of Rs.50,000 and Rs.30,000 respectively, sharing profits and losses in the ratio of their capitals. On March 01 2025, they admit Seema as a new partner and give her a  $\frac{1}{4}$  share.

**Required:** Computation and journal entries to record Seema's admission under the following cases separately:

- i) Seema invests Rs.30,000 and is credited with the entire amount of her investment.
- ii) Seema invests Rs.40,000. The total capital is to be increased by her investment.
- iii) Seema invests Rs.35,000 in the total capital of Rs.120,000.

**10. Depreciation:**

The balances of the following accounts have been taken from the ledger of Shehzad Saleem & Co. as on December 31 2024, before making any adjustment:

Machine – Cost	Rs.500,000
Allowance For Depreciation	Rs.100,000

**Required:**

- i) Assuming that the company uses the Diminishing Balance Method for charging depreciation, Calculate depreciation for the year 2024 and 2025 at 20%.
- ii) Prepare Allowance for Depreciation account up to December 31, 2025.
- iii) Prepare a Partial Balance Sheet as on December 31, 2025.

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# BOARD OF INTERMEDIATE EDUCATION, KARACHI

## INTERMEDIATE EXAMINATION

### MODEL PAPER 2026

## ACCOUNTING PAPER – II

(Commerce Group – Regular & Private)

Time: 20 minutes

### SECTION 'A'

#### (MULTIPLE CHOICE QUESTIONS – M.C.Qs.)

Marks : 20

**NOTE:**

- i) This section consists of 20 part questions and all are to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

- i) If company receives share applications more than the offered shares, this is called:
  - \* Equal subscription \* Under subscription
  - \* Over subscription \* Lower subscription
- ii) If a company offers shares at higher price than the par value, the difference is known as:
  - \* Interest \* Discount \* Premium \* Surplus
- iii) The total amount of the capital of a company, divided into small units, is known as:
  - \* Debentures \* Shares \* Dividend \* Net Income
- iv) The share capital by which a company is registered is called:
  - \* Issued Capital \* Paid up Capital
  - \* Authorized Capital \* Subscribed capital
- v) If the remaining partners purchase the capital of the retiring partner, the total capital of the firm after retirement of the partner:
  - \* increases \* decreases \* remains constant \* fluctuates
- vi) Salvage value is not taken into account while computing depreciation under:
  - \* Straight Line method \* Units of Output method
  - \* Working Hours method \* Diminishing Balance method
- vii) The statement of affairs is similar to:
  - \* Trial balance \* Balance sheet \* Cash book \* Income statement
- viii) Discount, availed during the concession period, is known as:
  - \* Trade discount \* Sales discount \* Cash discount \* Share discount
- ix) Under the fixed capital method, profit or loss is transferred to:
  - \* Partners' capital account \* Retained earnings account
  - \* Partners' current account \* Partners' personal account
- x) In case of an insolvent partner, his capital deficiency is borne by:
  - \* Other solvent partners \* The Government \* The Bankers \* The Creditors
- xi) In the absence of any partnership agreement, profits and losses are divided:
  - \* Equally \* In Average capital ratio
  - \* In Beginning capital ratio \* In Ending capital ratio
- xii) At the time of liquidation, remaining cash is to be distributed among the partners:
  - \* On the opening capital ratio \* On the balance of capital at the end
  - \* Equally \* On the ending capital ratio
- xiii) All fixed assets are depreciated except:
  - \* Building \* Machine \* Land \* Furniture
- xiv) Subscription received in advance is:
  - \* An income \* An asset \* A liability \* An expense
- xv) The Partnership Agreement in writing is called:
  - \* Partnership Registration \* Partnership-At-Will
  - \* Partnership Deed \* Partnership Certification
- xvi) The person who takes the initiative in the matter of formation of the company is known as:
  - \* Promoter \* Shareholder \* Director \* Registrar
- xvii) The expenses incurred in the formation of the company, are called:
  - \* Indirect expenses \* Revenue expenses
  - \* Selling expenses \* Preliminary expenses
- xviii) Depreciable cost of an asset is equal to:
  - \* Cost + Salvage Value \* Cost + Market price
  - \* Cost – Salvage Value \* Cost – Acc. Dep.
- xix) Diminishing Balance Method is also known as:
  - \* Declining Balance Method \* Straight Line Method
  - \* Fixed Installment Method \* Production Method
- xx) Non-Profit Earning Concerns do not maintain:
  - \* Income & Expenditure Account \* Income statement
  - \* Receipts & Payments Account \* Balance Sheet

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION,**  
**MODEL PAPER 2026**

**PRINCIPLES OF COMMERCE PAPER - I**  
**(Commerce Group – Regular & Private)**

Max. Marks: 60

Time: 2 hours 40 minutes

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)** **(Marks : 30)**

**NOTE:** Answer any **Six** part questions from this Section. All part questions carry equal marks.

2. i) Define the terms: Business, Profession and Industry.
- ii) Mention the important factors for the establishment of a new business enterprise.
- iii) Why Sole proprietorship is widely practiced in Pakistan? give five reasons.
- iv) According to Partnership Act 1932, write down kinds of Partners.
- v) Distinguish between Partnership and Joint Stock Company. Mention any five points.
- vi) Enumerate the functions of TDAP. Formerly known as Export Promotion Bureau (EPB).
- vii) Differentiate between Wholesaling and Retailing. (Any five points)
- viii) Enumerate five points of the importance of transportation in Business.
- ix) Draw the sketch of a standard Business Letter (Mentioning all the standard parts)

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS)** **(Marks : 30)**

**NOTE:** Answer any **Two** questions from this Section. All questions carry equal marks.

3. What do you mean by Consumer Finance? What are its kinds and sources?

**OR**

Define Export Trade. Describe step by step Procedure of Export Trade.

4. Describe the legal and procedural steps in the Formation of a Joint Stock Company.
5. Explain the qualities that make a Business Letter Effective.

**OR**

Draft a Job Application letter in response to an advertisement in newspaper for the post of Accounts Officer. Assume all necessary details.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**PRINCIPLES OF COMMERCE PAPER - I**

**(Commerce Group – Regular & Private)**

Max. Marks: 15

Time: 20 minutes

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)** **(Marks : 15)**

**NOTE:**

i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) Ownership is difficult to transfer in:  
\* Sole Proprietorship \* Partnership  
\* Joint Stock Company \* Private Limited Company

ii) A business organization provides goods and services for:  
\* Profit \* Welfare of Society  
\* Helping the Deserving \* Exchange of Goods

iii) The certificate of origin is issued by:  
\* Export Promotion Bureau \* Government  
\* Chamber of Commerce \* Shipping Company

iv) The aim of foreign trade is to increase:  
\* Production and income \* Industries \* Employment \* Foreign Exchange

v) Letter of credit is issued by a banker in favour of the:  
\* Exporter \* Importer \* Retailer \* Agent

vi) On the death of an insured person, the money is paid to:  
\* Government \* Friends \* Relatives \* Nominated Person(s)

vii) In a business letter the inside address is that of:  
\* Receiver \* Sender \* Courier Company \* Typist

viii) This partner has limited liability:  
\* Active \* Nominal \* Secret \* Minor

ix) Wholesalers create link between:  
\* Retailer and Consumer \* Producer and Retailer  
\* Producer and Consumer \* Producer and Distributor

x) The maximum number of partners in banking business is:  
\* 2 \* 10 \* 15 \* 20

xi) This one is a non-electronic mode of advertising:  
\* Newspaper \* Radio \* Television \* Internet

xii) Purchase order issued on behalf of exporter is called:  
\* Dock Warrant \* Indent \* Shipping Order \* Delivery Order

xiii) Rules and regulations of a joint stock company are described in the:  
\* Prospectus \* Memorandum of Association  
\* Article of Association \* Partnership Agreement

xiv) Those who manage the affairs of a joint stock company are called:  
\* Shareholders \* Debenture holders  
\* Promoters \* Directors

xv) Marketing activities begin from the point of production and end at:  
\* consumption \* distribution \* warehousing \* brokerage

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**PRINCIPLES OF COMMERCE PAPER - II**

Max. Marks: 60

Time: 2 hours 40 minutes

**(BANKING)**  
**(Commerce Group – Regular & Private)**  
**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)**

**(Marks : 30)**

**NOTE:** Answer any **Six** part questions from this Section. All parts questions carry equal marks.

2. i) Give two experts' Definitions of Bank.

ii) Describe briefly three major players in evolution of Banking in middle Ages.

iii) which account would you like to open if you are a Business person? Give Reason.

iv) State the negotiable instruments and non-negotiable instruments with the help of examples.

v) Outline the methods used by Central Bank issue of Paper Currency.

vi) State the situations in which a cheque may be dishonored by the Bank Any 10

vii) Define Bank Draft. Prepare specimen of a cross cheque.

viii) Define Bank Funds and state the principles of Safety and Liquidity.

ix) Differentiate between Balance of Trade and Balance of Payment

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS)** **(Marks : 30)**

**NOTE:** Answer any **Two** questions from this Section. All questions carry equal marks.

3. Define Commercial Bank. Explain its function.

**OR**

Define Central Bank. Explain its functions.

4. Define Exchange Control. Describe its aims and devices.

5. Define Foreign Exchange. What are the factors effecting the rate of exchange.

**OR**

Write a detailed note on any one of the following:

\* International Monetary Fund (IMF) \* Mortgage \* Lien.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**PRINCIPLES OF COMMERCE PAPER - II**

Max. Marks: 15

Time: 20 minutes

**(BANKING)**  
**(Commerce Group – Regular & Private)**

**SECTION 'A'**  
**(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**(Marks : 15)**

**NOTE:**

- i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

- i) This cannot be defined as a bank by ownership:  
\* Saving Banks \* Public Bank \* Private Bank \* Statutory Bank
- ii) State Bank of Pakistan is a:  
\* Chartered Bank \* Statutory Bank  
\* Cooperative Bank \* Public Bank
- iii) In Online banking, a cheque of a bank can be presented at:  
\* any branch of same bank \* any bank  
\* special-branches of any bank \* special bank
- iv) Why commercial banks keep with themselves a certain amount of money as reserve:  
\* meeting the requirements of shareholders \* meeting the requirements of central bank  
\* expanding the banking business \* to meet public demand
- v) The crossing of cross cheque can be cancelled by the:  
\* Drawee \* Payee \* Drawer \* Government
- vi) Central bank rediscounts bill of commercial banks at:  
\* Commission \* Profit Rate \* Bank Rate \* Exchange Rate
- vii) This is used as a measure of monetary policy / credit control:  
\* Bank Rate \* Market Rate \* Wages Rate \* Tariff Rate
- viii) This is not a quantitative-method in the credit control:  
\* Rationing of credit \* Open market operation  
\* Legislation \* Reserve ratio
- ix) This type of cheque requires the payee to present his / her identification to the cashier:  
\* Bearer cheque \* Order cheque \* Crossed cheque \* Open cheque
- x) The amount of a bill of exchange can be received / cashed from a bank, before maturity by:  
\* Overdraft \* Renewal \* Discounting \* Presenting to drawee
- xi) The circulation of credit money in the country is controlled by:  
\* Commercial bank \* Central bank \* Industrial bank \* Agricultural bank
- xii) Purchasing Power Parity Theory was presented by:  
\* David Ricardo \* J.S. Mill \* Alfred Marshal \* Gustav Cassel
- xiii) This documents is used to deposit money into bank:  
\* Fixed deposit receipt \* Pay-in-slip  
\* Counter foil of cheque \* Specimen signature card
- xiv) This is provided to customer for opening profit and loss term deposit account:  
\* Cheque bank \* Pay-in-slip \* Passbook \* Fixed deposit receipt
- xv) What is meant by the principle of diversity regarding issuance of loan?:  
\* Lending only to those who can repay the debt at short notice \* Lending against some material security  
\* Lending in terms of sure repayment \* Lending to different businesses or individuals

**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER-2026**

**PRINCIPLES OF ECONOMICS PAPER-I**

Max. Marks: 60

(Commerce Group – Regular & Private)

Time: 2 hours 40 minutes

**SECTION 'B'**  
**(SHORT-ANSWER QUESTIONS)**    **Marks : 30**

**MICRO ECONOMICS (15 Marks)**

2. Answer any **THREE** of the following part questions. All part questions carry equal marks.

- i) State the Marshall's and Robbins's definition of Economics.
- ii) State the Law of Supply.      **OR**      Name the Laws of Returns and the Laws of Costs
- iii) Differentiate between Fixed Cost and Variable Cost.      **OR**      State the Demand and Supply Equilibrium.
- iv) Differentiate between Stock and Supply. **OR**      State the Cross Elasticity of Demand.
- v) State the characteristics of Monopoly. **OR**      Mention the Degrees of Elasticity of Demand

**MACRO ECONOMICS (15 Marks)**

3. Answer any **THREE** of the following part questions. All part questions carry equal marks.

- i) State the problems of Barter System.
- ii) Differentiate between Direct Tax and Indirect Tax.      **OR**      State the Canons of Taxation.
- iii) Differentiate between Balance of Trade and Balance of Payment.      **OR**      State the phases of Trade Cycle
- iv) State the characteristics of good money.
- v) Differentiate between Domestic Trade and International Trade.

**SECTION 'C'**  
**(DETAILED-ANSWER QUESTIONS)**    **Marks : 30**

**MICRO ECONOMICS (15 Marks)**

4. Answer any **ONE** of the following parts.

- i) State Robbins's definition of Economics and the importance of the study of Economics.

**OR**

State the Law of Diminishing Marginal Utility with its assumptions and limitations.

- ii) Explain the Law of Demand by the help of table and diagram with its assumptions.

**OR**

Explain the equilibrium of a firm under monopoly during short run.

**MACRO ECONOMICS (15 Marks)**

5. Answer any **ONE** of the following parts.

- i) State the various concepts of National Income and its measuring methods.

**OR**

State the problems arises during the measurement of National Income.

- ii) State the merits and demerits International Trade.

**OR**

Describe the merits and demerits of Direct Tax.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER-2026**

## **PRINCIPLES OF ECONOMICS PAPER-I**

Max. Marks: 15

## **(Commerce Group – Regular & Private)**

Time: 20 minutes

## **SECTION 'A'**

## **(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**Marks : 15**

## NOTE:

- i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.
- ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) According to Prof. Adam Smith Economics is the science of:  
\* Wealth \* Material Welfare \* Price \* Scarcity

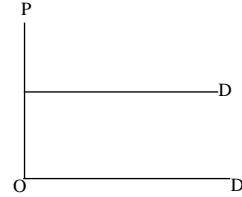
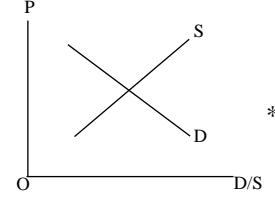
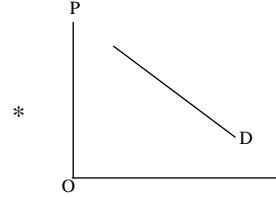
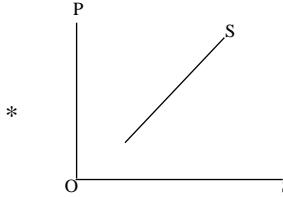
ii) The Elasticity of Demand for Luxury is:  
\* Equal to one \* Less than one \* More than one \* Equal to zero

iii) Cross Elasticity of Demand for substitute goods is:  
\* Zero \* Negative \* Positive \* Infinite

iv) Land, Labour, Capital and Organization are the factors of:  
\* Production \* Money \* Bank \* Wealth

v) Rent of a shop is:  
\* Marginal Cost \* Fixed Cost \* Variable Cost \* Average Cost

vi) This diagram is the demand and supply equilibrium:



vii) These are conditional:  
\* Economic Laws \* Islamic Laws \* Private Laws \* Government Laws

viii) Direct exchange of goods for goods is called:  
\* Barter System \* Cheque \* Bank \* Bill of Exchange

ix) This is determine by demand and supply:  
\* Saving \* Revenue \* Price \* Cost

x) The rate of Zakat is:  
\* 2% \* 2.5% \* 3.5% \* 4%

xi) If the demand function is  $Q_d = 100 - 2P$  and price is 20 then the  $Q_d$  is equal to:  
\* 80 \* 60 \* 40 \* 20

xii) Mono means:  
\* one \* two \* three \* four

xiii) Homogeneous goods are the feature of this market:  
\* Monopoly \* Duopoly \* Oligopoly \* Perfect Competition

xiv) Taxes are the sources of:  
\* Public Revenue \* Private Revenue  
\* Public Expenditure \* Private Expenditure

xv) The price of non-economic goods is always:  
\* zero \* low \* very high \* infinite

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**BUSINESS MATHEMATICS PAPER – I**

Max. Marks: 40

**(Commerce Group – Regular & Private)**

Time: 1 hour 45 minutes

**SECTION ‘B’**  
**(SHORT-ANSWER QUESTIONS)**

**(Marks : 20)**

**NOTE:** Answer any **Five** part questions from this Section. All part questions carry equal marks. Use of scientific calculator is allowed.

2. i) If 16 men paint 8 houses in 7 days. How many houses can 5 men paint in 14 days?

ii) Perform the following binary operations:

a)  $1011 + 1001 - 111$       b)  $1001 \times 101$

iii) Find the compound interest and accumulate amount on Rs.60,000 for 5 years at 7% annum compounded quarterly.

iv) Find the inverse of the matrix  $A = \begin{bmatrix} 2 & -8 \\ 3 & 6 \end{bmatrix}$ .

v) Convert the binary number  $1011_2$  to its equivalent decimal number.

vi) An item is sold for Rs.1200/. A profit of 25% is obtained. Find the cost price of item and amount of the profit.

vii) Find the equation of straight line passes through the point  $(2, 3)$  with slope = 4. Also find x – intercept and y – intercept.

viii) Solve the equation:  $\frac{5}{6}x + 1 = \frac{2}{3}x + 2$ .

**SECTION ‘C’**

**(DETAILED-ANSWER QUESTIONS)**

**(Marks : 20)**

**NOTE:** Answer any **Two** questions from this Section. All questions carry equal marks.

3. a) For  $A = \begin{bmatrix} 4 & -3 & 2 \\ 2 & 1 & -1 \\ 3 & 4 & 5 \end{bmatrix}$ , solve  $|A|$ .

b) Solve the following simultaneous equations by Cramer's Rule:

$$x + 2y = 6, \quad 2x + 7y = 3$$

4. a) For the equation  $x^2 + 5x + 6 = 0$ , find the direction and vertex of the parabola.

b) Distribute Rs.120,000 among three partners  $A, B$  and  $C$  such that  $A : B = 1 : 2$  and  $B : C = 3 : 1$

5. Find the sum and present value of the annuity of Rs.8000/- invested at the end of each year for 10 years at the rate of 10% compounded annually.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
**INTERMEDIATE EXAMINATION**  
**MODEL PAPER 2026**

**BUSINESS MATHEMATICS PAPER – I**

Max. Marks: 10

(Commerce Group – Regular & Private)

Time: 15 minutes

**SECTION ‘A’**

**(MULTIPLE CHOICE QUESTIONS – M.C.Qs.)**

**Marks : 10**

**NOTE:** i) This section consists of 10 part questions and all are to be answered. Each part question carries 1 mark.  
 ii) Do not copy the part questions in your answer script. Write only the answer in full against the proper number of the question and its part. Use of scientific calculator is allowed.

1. Choose the correct answer for each from the given options:

i) In binary number system  $1+1=$ :

\*      2      \*      1      \*      0      \*       $10_2$

ii)  $(25)^{\frac{1}{2}} \times (8)^{\frac{1}{3}} \times (2)^2$ :

\*      200      \*      120      \*      400      \*      40

iii) 90 is 30% of:

\*      360      \*      400      \*      300      \*      1200

iv) If  $a:b = 2:3$  and  $a:c = 2:4$ , then  $b:c =$ :

\*      1:2      \*      2:5      \*      3:2      \*      3:4

v) If selling price of a chair is Rs.700 and profit is Rs.250, then cost price of chair is:

\*      Rs.950      \*      Rs.450      \*      Rs.400      \*      Rs.500

vi) The ratio of 1.5 feet to 30 inches is:

\*      3:5      \*      1:10      \*      1:2      \*      2:5

vii) If simple interest on Rs.5000 is Rs.100, then accumulated amount is Rs.:

\*      5500      \*      4900      \*      5100      \*      1500

viii)  $A \times A^{-1} =$ :

\*       $A^{-1}$       \*       $A$       \*      Null matrix      \*       $I$

ix) When a series of equal amount is made at equal intervals, each payment is known as:

\*      Annuity      \*      Principal amount      \*      Interest      \*      Investment

x) The slope of x-axis is:

\*      2      \*      3      \*      5      \*      0

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

#### **COMMERCIAL GEOGRAPHY PAPER – II**

Max. Marks: 60

(Commerce Group – Regular & Private)

Time: 2 hours 40 minutes

### **SECTION 'B' (SHORT-ANSWER QUESTIONS) Marks: 30**

2. Answer any **Six** part questions. All part questions carry equal marks. **Marks : 18**

i) Define any three of the following:  
\* Tropical Region \* Natural Resources \* EIA  
\* Population Growth Rate \* GIS

ii) “Commercial Geography evaluates and suggests the possibilities of economic development of a region” elaborate the statement.

iii) Why are the commercial activities of people belonging to different regions different?

iv) China is the major importer and producer of iron and steel of the world. Elaborate the statement.

v) The rubber plant is mostly found in the wet equatorial region of the world. Write its industrial uses.

vi) Discuss the advantages of relative location for Commercial Activities.

vii) Write a short note on Online Business or e-business.

viii) List any six major global environmental issues. **OR** Write three revolutions of population.

ix) Write advantages of mixed farming.

x) What's a byproduct? Write the byproducts of Rice.

3. Answer any **Three** part questions. All part questions carry equal marks. **Marks : 12**

i) Define any three of the following:  
\* Dam \* Barrage \* Bar  
\* Inundation Canal \* Delta

ii) What are the causes of shortage of electricity in Pakistan?

iii) Write the names of coal fields of Pakistan.

iv) Write a note on the economic importance of Northern Mountains.

v) Define a link canal. Name any two link canals.

vi) Write about the main rice **OR** sugar producing areas of Pakistan.

vii) Define Doab, Name any two Doabs of upper Indus plain **OR** Label the given sketch map of Pakistan with any three of the following:  
\* Khunjerab Pass \* Kotri Barrage \* River Jhelum \* Hindu Kush Mountain

viii) Write salient features of Motorways.

4. Answer any **Two** part questions. All part questions carry equal marks. **Marks : 20**

i) Define commercial activities. Describe different kinds of commercial activities with examples.

ii) List major agriculture types practiced in the world and explain any two of them.

iii) Give an account of the distribution of iron and steel industry in the world.

iv) Describe Physical and Socio-Economic conditions required for the cultivation of Wheat **OR** Cotton also discuss the distribution of Wheat/ Cotton in the world.

5. Answer any **One** part question. All part questions carry equal marks. **Marks : 10**

i) Name the physical regions of Pakistan and give the salient features of plain areas of Pakistan.

ii) List the types of Forests found in Pakistan and explain their environmental and economic importance for the country.

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# **BOARD OF INTERMEDIATE EDUCATION, KARACHI**

## **INTERMEDIATE EXAMINATION**

### **MODEL PAPER 2026**

#### **COMMERCIAL GEOGRAPHY PAPER – II**

Max. Marks: 15

(Commerce Group – Regular & Private)

Time: 20 minutes

#### **SECTION 'A' (MULTIPLE CHOICE QUESTIONS) – M.C.Qs.)**

**Marks : 15**

**NOTE:** i) This section consists of 15 part questions and all are to be answered. Each part question carries 1 mark.  
ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.

1. Choose the correct answer for each from the given options:

i) 'Commercial Geography is concerned with the geographical facts relating to Commerce' is defined by:  
\* G.D. Chisholm \* Prof. Yousuf Rahmani  
\* Dr. Rodrigues \* Sir Dudley Stamps

ii) The largest continent is Asia which is adjacent to Europe sometimes both these are referred as a single continent as:  
\* South East Asia \* East Asia \* Eurasia \* Siberia

iii) The major cash crop of Pakistan is:  
\* Sugarcane \* Wheat \* Rice \* Cotton

iv) It is the world's largest earth filled dam:  
\* Tarbela \* Mangla \* Warsak \* Neelum

v) This Motorway connects Islamabad – Peshawar:  
\* M-1 \* M-2 \* M-4 \* M-5

vi) It is a barrier across water way to control the flow or raise the level of water:  
\* Dam \* Barrage \* Sprinkler \* Tunnel

vii) The aim of this occupation is to earn profit:  
\* Profession \* Employment \* Business \* Driving

viii) This Doab is in between Ravi and Chenab rivers:  
\* Chaj Doab \* Rechna Doab \* Bari Doab \* Sindh Sagar Doab

ix) Construction, making of furniture, chocolate, cars and chairs are the examples of:  
\* Primary activities \* Secondary activities  
\* Tertiary activities \* Special activities

x) 90% of world population lives in:  
\* Plateaus \* Mountains \* Plain areas \* Deserts

xi) This fiber is dominating the textile industry of the world:  
\* Linen \* Silk \* Cotton \* Jute

xii) Karez irrigation in Pakistan is found in:  
\* KPK \* Sindh \* Punjab \* Baluchistan

xiii) Mangroves are located in  
\* Indus Delta \* Indus plain  
\* Northern Mountains \* Plateaus

xiv) This country is not a major exporter of wheat:  
\* Canada \* Ukraine \* Argentina \* China

xv) The rainiest place of Pakistan is:  
\* Islamabad \* Muree \* Lahore \* Quetta

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