Junior Elementary School Teacher (JEST, BPS-14), Paper-III — 2021 · Solved Past Paper

Body: Sindh Testing Service (STS) · **Post:** Junior Elementary School Teacher (JEST, BPS-14), Paper-III · **Year:** 2021 · **Questions:** 100 in the original paper — **100 solved and verified**, none excluded · **Price:** Free

> **How to use this paper:** each question shows the stem, the four options, and the correct answer. Click “Why each option?” under a question to see all four options explained — one question teaches four topics. General Knowledge answers are as of the 2021 sitting.

Source note: Google Drive scan of the original SIBA STS booklet (12 pp, image-only), via the testtiari.com post 'IBA 2021 PST JEST Past Papers' (accessed 9 Nov 2026). The official SIBA STS answer keys are printed as the last two pages of the same PDF (p-11 Sindhi, p-12 Urdu), both headed 'TEST HELD ON WEDNESDAY, SEPTEMBER 15, 2021'. Q2 corroborated independently.

Question 1 Urdu

From the Urdu passage printed under Q1, about Hakeem Muhammad Saeed, founder of) Hamdard and Madinat al-Hikmah. Best reading of the passage: education adorns children with knowledge and morals, creates new thinking, and is necessary for society's progress; educated children become useful citizens; education gives awareness (shaoor) and distinguishes good from bad; without education man lives in darkness; the best education makes a good citizen able to serve country and nation. The passage's final line,

a year and the Hamdard Foundation, is faint in the scan and is not quoted

1. مدینۃ الحکمۃ قائم کرنے کی وجہ تسمیہ ہو سکتی ہے؟ (.verbatim here. See the verification summary

- A. محمد سعید مدینے کی طرف ہجرت کرنا چاہتا تھا
- B. محمد سعید بیماروں کے لیے علاج کا شہر بنانا چاہتا تھا
- C. محمد سعید مدینۃ الحکمۃ کا شہر بنانا چاہتا تھا
- D. اس معاشرے میں وہ اسلامی خیالات کو فروغ دینا چاہتا تھا ✓ **Correct answer**

A. Wrong: migrating towards Madina is not the reason given in the passage for founding Madinat al-Hikmah

B. Wrong: building a city for the treatment of patients is not the reason given in the passage

C. Wrong: restating the name of the city is not a reason for naming it

D. Correct: per the official Urdu key — the passage presents Madinat al-Hikmah as a centre for promoting Islamic thought and values in society

Question 2 Urdu

From the Urdu passage printed under Q1, about Hakeem Muhammad Saeed, founder of) Hamdard and Madinat al-Hikmah. Best reading of the passage: education adorns children with knowledge and morals, creates new thinking, and is necessary for society's progress; educated children become useful citizens; education gives awareness (shaoor) and distinguishes good from bad; without education man lives in darkness; the best education makes a good citizen able to serve country and nation. The passage's final line, mentioning a year and the Hamdard Foundation, is faint in the scan and is not quoted

2. حکیم محمد سعید کے ساتھ 'شہید' کا کون سا لقب (.verbatim here. See the verification summary لگایا جاتا ہے؟

Correct answer ✓ B. شہید پاکستان

C. شہیدِ قوم

D. شہید وطن

A. Wrong: 'Shaheed-i-Millat' is not the title attached to Hakeem Muhammad Saeed

B. Correct: Hakeem Muhammad Saeed is remembered as 'Shaheed-e-Pakistan' — confirmed independently (kitaabnama.org, 'Aqwal-e-Saeed') and by the official Urdu key

C. Wrong: 'Shaheed-e-Qaum' is not the title attached to him (this option is partly watermark-obscured in the scan)

D. Wrong: 'Shaheed-e-Watan' is not the title attached to him

Question 3 Urdu

From the Urdu passage printed under Q1, about Hakeem Muhammad Saeed, founder of) Hamdard and Madinat al-Hikmah. Best reading of the passage: education adorns children with knowledge and morals, creates new thinking, and is necessary for society's progress; educated children become useful citizens; education gives awareness (shaoor) and distinguishes good from bad; without education man lives in darkness; the best education makes a good citizen able to serve country and nation. The passage's final line, mentioning a year and the Hamdard Foundation, is faint in the scan and is not quoted .verbatim here. See the verification summary) 3. حکیم صاحب نے اپنے قدم سے ملکی ادارہ قائم کیا جس کی وجہ تھی:

A. نظامِ پالا سے ماضی

B. دولت کی فراوانی

Correct answer ✓ C. ملکی معیشت کی بہتری

A. Wrong: as printed (best reading) — this is not the reason given for founding the institution

B. Wrong: abundance of wealth is not the reason given

C. Correct: per the official Urdu key — the institution was founded for the betterment of the national economy

D. Wrong: personal benefit is not the reason given

Question 4 Urdu

From the Urdu passage printed under Q1, about Hakeem Muhammad Saeed, founder of) Hamdard and Madinat al-Hikmah. Best reading of the passage: education adorns children with knowledge and morals, creates new thinking, and is necessary for society's progress; educated children become useful citizens; education gives awareness (shaoor) and distinguishes good from bad; without education man lives in darkness; the best education makes a good citizen able to serve country and nation. The passage's final line, mentioning a year and the Hamdard Foundation, is faint in the scan and is not quoted .verbatim here. See the verification summary) 4. طلبہ 'علم برائے محنت' کہتے ہیں:

- A. علم برائے محنت
- B. علم برائے معیشت ✓ **Correct answer**
- C. علم برائے محبت
- D. علم برائے ملک

A. Wrong: per the official Urdu key (the third words of the options are faint in the scan — best reading)

er the official Urdu key — ilm baraye maeeshat' (knowledge for livelihood)

C. Wrong: per the official Urdu key (the third words of the options are faint in the scan — best reading)

D. Wrong: per the official Urdu key (the third words of the options are faint in the scan — best reading)

Question 5 Urdu

From the Urdu passage printed under Q1, about Hakeem Muhammad Saeed, founder of) Hamdard and Madinat al-Hikmah. Best reading of the passage: education adorns children with knowledge and morals, creates new thinking, and is necessary for society's progress; educated children become useful citizens; education gives awareness (shaoor) and distinguishes good from bad; without education man lives in darkness; the best education makes a good citizen able to serve country and nation. The passage's final line, mentioning a year and the Hamdard Foundation, is faint in the scan and is not quoted .verbatim here. See the verification summary) 5. تعلیم اور دیہی مرکب ہے جو کہا جاتا ہے:

- A. مرکب جاہی
- B. مرکب اضافی
- C. مرکب توصیفی
- **Correct answer ✓** D. مرکب عطفی

A. Wrong: this is not the compound class for two words joined by 'aur'

B. Wrong: a murakkab-e-izafi is a possessive/genitive compound, not one joined by 'aur'

C. Wrong: a murakkab-e-tausifi is an attributive compound, not one joined by 'aur'

D. Correct: two words joined by 'aur' (and) form a conjunctive compound — murakkab-e-atfi

6 Urdu

From the Urdu poem printed under Q6: a four-couplet school poem on the sun, NOT) Iqbal's 'Aaftaab'. Best reading of the visible lines: the sun hides, yet its light shines; in moonlit nights the stars shine; all things get life from its heat; the life of everything in the world depends on it; O sun, you light up the whole world. One misra remains unresolved .in the scan; the poem is not quoted verbatim here. See the verification summary) 6. درج

بالا اشعار کی مدد سے نظم کی ہیئت کی نشاندہی کیجیے:

- A. آزاد نظم
- B. پابند نظم ✓ **Correct answer**
- C. معریٰ نظم
- D. نثری نظم

A. Wrong: free verse (azaad nazm) has no fixed rhyme and metre, but this poem does

B. Correct: the couplets follow a fixed rhyme and metre — a bound/rhymed poem (paband nazm)

C. Wrong: a mu'arra nazm is unrhymed verse, but this poem is rhymed

D. Wrong: a nasri nazm is prose-poetry, not verse at all

Question 7 Urdu

From the Urdu poem printed under Q6: a four-couplet school poem on the sun, NOT) Iqbal's 'Aaftaab'. Best reading of the visible lines: the sun hides, yet its light shines; in moonlit nights the stars shine; all things get life from its heat; the life of everything in the world depends on it; O sun, you light up the whole world. One misra remains unresolved .in the scan; the poem is not quoted verbatim here. See the verification summary) 7.

دوسرے مصرعے میں لفظ 'بادشاہ'

A. کرتا دھرتا

B. زمین کا مالک

Correct answer ✓ C. روشنی کا ذریعہ

D. زندگی کا ضامن

A. Wrong: a doer/ruler is the literal sense of 'badshah', not the poetic sense in this couplet

B. Wrong: owner of the earth is not what 'badshah' means in this couplet

C. Correct: in the couplet the 'king' is the sun — the source of light

D. Wrong: guarantor of life is not what 'badshah' means in this couplet

Question 8 Urdu

From the Urdu poem printed under Q6: a four-couplet school poem on the sun, NOT) Iqbal's 'Aaftaab'. Best reading of the visible lines: the sun hides, yet its light shines; in moonlit nights the stars shine; all things get life from its heat; the life of everything in the world depends on it; O sun, you light up the whole world. One misra remains unresolved .8 (.in the scan; the poem is not quoted verbatim here. See the verification summary

پانچواں اور چھٹا شعر وضاحت کرتا ہے کہ:

Correct answer ✓ A. سورج نہ ہو تو زندگی کا نام و نشان مٹ جائے

B. سورج کی وجہ سے ہر سمت اجالا ہے

C. اندھیرا ہوتا زندگی کے خاتمے کی دلیل ہے

D. شام اور خود کو سورج کی مانند قرار دے رہے ہیں

A. Correct: per the official Urdu key — the couplets say life depends on the sun, and without it no trace of life would remain

C. Wrong: per the official Urdu key

D. Wrong: per the official Urdu key

Question 9 Urdu

From the Urdu poem printed under Q6: a four-couplet school poem on the sun, NOT) Iqbal's 'Aaftaab'. Best reading of the visible lines: the sun hides, yet its light shines; in moonlit nights the stars shine; all things get life from its heat; the life of everything in the world depends on it; O sun, you light up the whole world. One misra remains unresolved (.in the scan; the poem is not quoted verbatim here. See the verification summary 9. آخری

شعر میں مصرعہ ثانی مصرعہ اولیٰ کی اکائی ہے:

- A. مکالمہ
- B. ترجمہ
- C. خلاصہ
- **Correct answer ✓** D. تشریح

A. Wrong: there is no dialogue in the last couplet

B. Wrong: the second line is not a translation of the first

C. Wrong: the second line is not a summary of the first

D. Correct: per the official Urdu key — the second line of the last couplet explains and expands the first (tashreeh)

Question 10 Urdu

From the Urdu poem printed under Q6: a four-couplet school poem on the sun, NOT)

aab . Best reading of the visible lines: the sun hides, yet its light shines; in moonlit nights the stars shine; all things get life from its heat; the life of everything in the world depends on it; O sun, you light up the whole world. One misra remains unresolved in the scan; the poem is not quoted verbatim here. See the verification summary.) 10. دیے گئے اشعار کا مرکزی خیال ہے:

Correct answer ✓ A. انسان کو سورج کی طرح کارآمد ہونا چاہیے

B. سورج زندگی کی کامیابی کی علامت ہے

C. سورج سے نظام کائنات رواں دواں ہے

D. امانت سورج کی گرمی سے پکتی ہے

A. Correct: per the official Urdu key — the poem's central idea is that man should be useful like the sun

B. Wrong: per the official Urdu key

C. Wrong: per the official Urdu key

D. Wrong: per the official Urdu key

Question 11 Urdu

11. 'مطالعہ عالم' سے مراد ہے:

Correct answer ✓ A. سب کے لیے دعوت

B. عوام سے مشورہ

C. عام سطح پر مطالعہ

D. سب سے دوستی

A. Correct: per the official Urdu key (the semantic link is unclear in the scan — recorded in the verification summary)

C. Wrong: per the official Urdu key

D. Wrong: per the official Urdu key

Question 12 Urdu

12. لفظ 'طرف' کی شناخت ہے:

A. الطرف

B. دو لفظی مست ('دو لفظی مرکب' as printed; possibly)

Correct answer ✓ C. طرفین

D. طرف

A. Wrong: per the official Urdu key

B. Wrong: per the official Urdu key (option as printed — possibly 'do lafzi murakkab')

C. Correct: per the official Urdu key — 'tarfain' is the dual form identifying 'taraf'

D. Wrong: per the official Urdu key — the word itself is not its own identification

Question 13 Urdu

13. درست فقرے کی نشاندہی کیجیے:

A. کروں گا وہی جو تم کہو

B. کچھ تم جو وہ کروں گا

C. تم جو کہو وہ کروں گا

Correct answer ✓ (as printed) D. کچھ تم جو وہی کروں گا

A. Wrong: per the official Urdu key

C. Wrong: per the official Urdu key

D. Correct: per the official Urdu key (option as printed)

Question 14 Urdu

14. لفظ 'گزشت' کی ضد ہے:

- A. گزشت (as printed)
- B. آئندہ ✓ **Correct answer**
- C. مستقبل
- D. سرشت

A. Wrong: the word itself is not its own antonym

B. Correct: 'aaindah' is the standard paired antonym of 'guzasht' (past)

C. Wrong: 'mustaqbil' also means future, but 'aaindah' is the standard paired antonym of 'guzasht'

D. Wrong: 'sarisht' means nature or disposition, not future

Question 15 Urdu

15. (A verse containing the word 'مردہ' is printed above the question.) تحریر کردہ مصرعے میں حرف جار کا خبر کرتا ہے:

- A. اقدام
- B. نسبت ✓ **Correct answer**
- C. واسطہ
- D. غیر

daam' means a step or initiative, not what a preposition indicates

B. Correct: a preposition (harf-e-jaar) indicates the relation (nisbat) between words

C. Wrong: 'waastah' means a medium or means, not what a preposition indicates

D. Wrong: 'ghair' means other, not what a preposition indicates

Question 16 Urdu

16. لفظ 'ڈھاکا' سے مراد ہے:

A. اولے پڑنا

Correct answer ✓ B. الٹو کرنا

C. قدمت پسند

D. غضب ناک

A. Wrong: per the official Urdu key (word as printed)

B. Correct: per the official Urdu key (word as printed)

C. Wrong: per the official Urdu key (word as printed)

D. Wrong: per the official Urdu key (word as printed)

Question 17 Urdu

17. 'وقت کا فی وفی ہونا' محاورہ ہے، اس کے معنی کی نشاندہی کیجیے۔

Correct answer ✓ A. یک جان دو قالب ہونا

B. خوب سرزنش ہونا

C. خوب درگت بننا

D. وقت میں ہونا

er the official Urdu key (stem as printed; the semantic link is unclear — recorded in the verification summary)

B. Wrong: per the official Urdu key

C. Wrong: per the official Urdu key

D. Wrong: per the official Urdu key

Question 18 Urdu

18. درست جملے کی نشاندہی کیجیے۔

A. والدین کی ڈانٹ پر بچے نے چونچ اٹھا لیا۔

Correct answer ✓ B. والدین کی ڈانٹ پر بچے نے چونچ اٹھا لی۔

C. والدین کی ڈانٹ پر بچے نے چونچ اٹھا لیے۔

D. والدین کی ڈانٹ پر بچے سے چونچ اٹھا لیا گیا۔

A. Wrong: 'utha liya' is masculine, but 'chonch' (beak) is feminine

B. Correct: 'chonch' is feminine, so 'utha li' is the correct verb form

C. Wrong: 'utha liye' is masculine plural, but 'chonch' is feminine singular

D. Wrong: the passive construction with 'se ... gaya' is wrong here

Question 19 Urdu

19. توہم پرست کی درست ہجے ہے: (The four options are spelling variants of 'توہم پرست' differing only in the hamza of 'توہم'; see the hamza positions are best readings from a faint scan — see the verification summary).

A. توؤم پرست

B. توھم پرست

Correct answer ✓ D. توہم پرست

A. Wrong: the hamza over the wao is wrong (best reading from the scan)

without a hamza is wrong 'توہم' :**B.** Wrong

C. Wrong: the hamza over the meem is wrong (best reading from the scan)

is correctly spelled with the hamza above the hay — per the official Urdu 'توہم' :**D.** Correct key. The scan does not resolve the hamza positions with certainty; the answer rests on the key

Question 20 Urdu

20. درست مرکب کی نشاندہی کیجیے۔

A. حسن و جمالا (as printed — best reading; the final word carries an extra alif in the scan)

B. دکھ اور لالچ

C. مہر و وفا

Correct answer ✓ D. حسن و جمال

A. Wrong: as printed it differs from D only in the final alif, which makes it misspelled — see the verification summary

B. Wrong: per the official Urdu key — not the standard compound asked for

C. Wrong: per the official Urdu key — not the standard compound asked for

D. Correct: per the official Urdu key — 'husn-o-jamal' is the standard conjunctive compound (murakkab-e-atfi)

21 Social Studies

21. لوگوں کا ایک گروہ جو ایک ساتھ رہتا ہے اور مذہب (Sindhi/Urdu — stem as printed, best reading.)
اور ثقافت میں شریک ہوتا ہے، اسے ..... کہا جاتا ہے۔

- A. حکومت / Government
- B. سوسائٹی / Society ✓ **Correct answer**
- C. A اور B
- D. پالیسی / Policy

A. Wrong: a government is the ruling authority, not a group sharing religion and culture

B. Correct: a society is a group of people living together and sharing religion and culture

C. Wrong: A is wrong, so A and B together is wrong

D. Wrong: a policy is a course of action, not a group of people

Question 22 Social Studies

22. پاکستان کا قانون سازی کا ادارہ/ادارے ..... ہیں۔

- A. نیشنل اسمبلی / National Assembly
- B. سینیٹ / Senate
- C. A اور B ✓ **Correct answer**
- D. صوبائی اسمبلی / Provincial Assembly

A. Wrong: the National Assembly alone is not the whole legislature

B. Wrong: the Senate alone is not the whole legislature

C. Correct: Parliament (Majlis-e-Shoora) is the National Assembly plus the Senate

D. Wrong: provincial assemblies legislate for the provinces, not for the federation

23. پانچ سال کی معیاد کے لیے قومی اسمبلی کے کتنے ممبران منتخب کیے جاتے ہیں۔

- A. 372
- B. 342
- C. 250
- D. 272 ✓ **Correct answer**

A. Wrong: 372 is not the National Assembly figure

B. Wrong: 342 was the total strength of the National Assembly, not the directly-elected general seats

C. Wrong: 250 is not the figure

D. Correct: 272 directly-elected general seats (at the exam date, September 2021; the total strength was 342 including reserved seats)

Question 24 Current Affairs

24. IQAir global air quality report کے مطابق پاکستان کو ..... سب سے زیادہ آلودگی سے متاثر ملک قرار دیا گیا ہے۔

- A. 1st
- B. 2nd ✓ **Correct answer**
- C. 3rd
- D. 4th

A. Wrong: Bangladesh was ranked 1st

B. Correct: the IQAir 2020 World Air Quality Report (published March 2021, before the exam) ranked Pakistan 2nd most polluted, after Bangladesh

C. Wrong: Pakistan was ranked 3rd only in the 2021 report, published March 2022, after

D. Wrong: 4th is not the ranking

Question 25 Current Affairs

25. محمد رضوان دوسرا کرکٹ کھلاڑی ہے جس نے ..... کے بعد تمام فارمیٹس کے دوران ایک سو رنز بنائے۔

- A. KL Rahul
- B. Jos Buttler
- C. Brandon McCulluam (as printed) ✓ **Correct answer**
- D. AB Devillier (as printed)

A. Wrong: KL Rahul is not the reference player

B. Not filed: the 'second wicketkeeper after Buttler' reading is true as of October 2023, but the stem says 'second cricket player', not 'second wicketkeeper', and the official Urdu key files C — see the verification summary

C. Correct: per the official Urdu key — the paper's own key files McCullum. The item's premise is chronologically loose (Buttler completed the set in October 2021 and Rizwan in October 2023, both after the exam date), but the key is the paper's authority and is filed as printed — see the verification summary

D. Wrong: de Villiers is not the reference player (spelling as printed)

Question 26 Islamiat

26. سلطنت موریہ ایک مطلق العنان حکومت تھی جس میں حکمران کی مدد کے لیے ایک شوریٰ بنائی گئی تھی جس کے کل ممبران کی تعداد ..... تھی (The options print each number in both scripts, e.g. '۳۰/30', not as fractions.)

- A. 10
- B. 20

- ✓ **Correct answer**
- D. 40

A. Wrong: per the official Urdu key

B. Wrong: per the official Urdu key

C. Correct: per the official Urdu key — the Mauryan council (mantri-parishad) is recorded as having 30 members

D. Wrong: per the official Urdu key

Question 27 Islamiat

27. بادشاہ جہانگیر نے بابل کا ترجمہ انگریزی زبان میں کب کروایا؟ (The booklet prints Hijri equivalents alongside each year.)

- A. 1611 (1020 AH) ✓ **Correct answer**
- B. 1612 (1021 AH)
- C. 1613 (1022 AH)
- D. 1614 (1023 AH)

A. Correct: per the official Urdu key (stem as printed — the Baburnama Persian translation is usually dated 1589–90 under Akbar; filed per the key with the stem as printed — see the verification summary)

B. Wrong: per the official Urdu key

C. Wrong: per the official Urdu key

D. Wrong: per the official Urdu key

Question 28 Islamiat

28. جین دھرم کے بانی 'مہاویر' کا اصل نام ..... تھا۔

• B. براجمان

• **Correct answer** ✓ C. وردھمان

• D. ہاران

A. Wrong: Hamdan is not Mahavira's birth name

B. Wrong: Brajman is not Mahavira's birth name

C. Correct: Mahavira's birth name was Vardhamana

D. Wrong: Haran is not Mahavira's birth name

Question 29 Islamiat

29. مہاویر کتنے عرصے تک بے لباسی کی حالت میں جنگلوں اور بیابانوں میں گھومتے رہے؟

• A. 8 سال

• B. 10 سال

• **Correct answer** ✓ C. 12 سال

• D. 14 سال

A. Wrong: per the official Urdu key

B. Wrong: per the official Urdu key

C. Correct: Mahavira wandered naked in forests and wilderness for 12 years before attaining enlightenment (read as 'for how many years')

D. Wrong: per the official Urdu key

30 Islamiat

30. جب طارق بن زیاد نے اسپین کو فتح کیا تو اس وقت اسپین کا دارالحکومت کون سا شہر تھا؟

Correct answer ✓ (Toledo) طلطلہ .A•

(Granada) غرناطہ .B•

(Cremona) کرمونا .C•

(Constantinople) قسطنطنیہ .D•

A. Correct: Toledo was the capital of Visigothic Spain when Tariq ibn Ziyad conquered it (711 CE)

B. Wrong: Granada became prominent later, not the Visigothic capital

C. Wrong: Cremona is in Italy, not Spain

D. Wrong: Constantinople was the Byzantine capital, not the capital of Spain

Question 31 English

Passage for reading comprehension. Read the following passage and answer the questions set below it: King Faisal was devoted to Islam. He was a good Muslim and led a simple life. He did his best to see his people live according to the teachings of Islam. He possessed great qualities of leadership and proved to be an able ruler. He loved his people and ruled the country wisely and justly. Under his rule, Saudi Arabia made great progress in many fields. He spent a lot of money on the development of his country. The main source of income for Saudi Arabia is mineral oil, and he made every effort to increase its production. New factories and mills were set up in Saudi Arabia, and industry made great progress. Vast areas of the desert were irrigated and new lands were brought under cultivation. Answer the following first five (31 to 35) questions from the above passage you have just read: 31. The word "King" used before "Faisal" is _____.

- A. first name of Faisal

ily name of Faisal

- C. a title ✓ **Correct answer**
- D. a surname

A. Wrong: 'King' is not Faisal's first name

B. Wrong: 'King' is not Faisal's family name

C. Correct: 'King' before 'Faisal' is his title

D. Wrong: 'King' is not a surname

Question 32 English

(From the passage printed under Q31.) 32. King Faisal was a great _____.

- A. leader and ruler ✓ **Correct answer**
- B. Muslim and king
- C. politician and administrator
- D. capitalist and industrialist

A. Correct: the passage says he possessed great qualities of leadership and proved to be an able ruler

B. Wrong: the passage does not describe him as 'a great Muslim and king'

C. Wrong: the passage does not describe him as a politician and administrator

D. Wrong: the passage does not describe him as a capitalist and industrialist

Question 33 English

(From the passage printed under Q31.) 33. The last sentence of the paragraph is mainly about _____.

- A. economic development
- B. agricultural developments ✓ **Correct answer**

onal wealth and prosperity

- D. the use of natural resources

A. Wrong: the last sentence is about irrigation and cultivation, not economic development in general

B. Correct: the last sentence is about vast areas of desert being irrigated and new lands brought under cultivation — agricultural developments

C. Wrong: the last sentence does not discuss national wealth and prosperity

D. Wrong: the last sentence does not discuss the use of natural resources

Question 34 English

(From the passage printed under Q31.) 34. He did his best to see his people live according to the teachings of Islam. In the above sentence, the underlined word 'best' is used as _____.

- A. an adjective
- B. an adverb
- C. a noun ✓ **Correct answer**
- D. verb

A. Wrong: 'best' here does not describe a noun, so it is not an adjective

B. Wrong: 'best' here does not modify a verb, adjective or adverb, so it is not an adverb

C. Correct: in 'did his best', 'best' is the object of the verb 'did' — it is used as a noun

D. Wrong: 'best' is not a verb here

Question 35 English

(From the passage printed under Q31.) 35. The paragraph is about two main things. They are _____.

g Faisal and Islam

- B. King Faisal and his people
- C. Saudi Arabia and its mineral oil
- D. King Faisal and development of Saudi Arabia ✓ **Correct answer**

A. Wrong: Islam is only one part of the paragraph, not one of its two main things

B. Wrong: his people are only one part of the paragraph, not one of its two main things

C. Wrong: mineral oil is only one detail, not one of the two main things

D. Correct: the paragraph is about King Faisal and the development of Saudi Arabia under his rule

Question 36 English

36. They cannot see lovely flowers blooming in the gardens. (The underlined word is 'lovely'; meanings of synonyms are based on their contextual meanings, per the booklet's note.)

- A. sweet
- B. beautiful ✓ **Correct answer**
- C. pleasant
- D. wonderful

A. Wrong: 'sweet' describes taste or manner, not the look of flowers here

B. Correct: 'lovely' flowers are beautiful flowers

C. Wrong: 'pleasant' means enjoyable, not the look meant by 'lovely' here

D. Wrong: 'wonderful' means marvellous, not the look meant by 'lovely' here

Question 37 English

37. Helen felt excited because she knew that there was good time to come. (The

word is excited.)

- A. hopeful
- B. nervous
- C. delighted ✓ **Correct answer**
- D. satisfied

A. Wrong: 'hopeful' means expecting good, not the feeling of excitement here

B. Wrong: 'nervous' means anxious, the opposite of the feeling here

C. Correct: Helen felt delighted — excited with happiness at the good time to come

D. Wrong: 'satisfied' means content, not the eager feeling of excitement here

Question 38 English

38. It is the most important work to do. (The underlined word is 'work'.)

- A. employment
- B. task ✓ **Correct answer**
- C. deed
- D. activity

A. Wrong: 'employment' means having a job, not the piece of work meant here

B. Correct: the most important work to do is the most important task to do

C. Wrong: a 'deed' is a single act, usually good or bad, not the work meant here

D. Wrong: 'activity' is too general — the work here is a specific task

Question 39 English

39. The wise old saint lived all alone. (The underlined word is 'alone'; meanings of synonyms are based on their contextual meanings, per the booklet's note.)

- B. lone
- C. forlorn
- D. without any other people ✓ **Correct answer**

A. Wrong: 'lonely' means feeling sad at being alone, not just being alone

B. Wrong: 'lone' is the dictionary synonym, but the booklet's note says meanings are contextual — 'lived all alone' means lived without any other people

C. Wrong: 'forlorn' means sad and abandoned, not just being alone

D. Correct: per the official Urdu key — 'lived all alone' means lived without any other people

Question 40 English

40. Exceeding peace had made Ben Adhem bold. (The underlined word is 'peace'.)

- A. a period of time in which there is no war or violence
- B. state of being calm or quiet ✓ **Correct answer**
- C. the state of living all alone
- D. a state of feeling relaxed

A. Wrong: the peace that made Ben Adhem bold is inner calm, not a period without war

B. Correct: 'exceeding peace' here is a state of being calm or quiet

C. Wrong: living all alone is not what 'peace' means here

D. Wrong: feeling relaxed is close, but the peace here is calm and quiet of mind, not mere relaxation

Question 41 English

41. The house in which I now live is made of cement. (The underlined word is 'now'; find

opposite in meaning.)

- A. than
- B. never
- C. then ✓ **Correct answer**
- D. ever

A. Wrong: 'than' is used in comparisons, not the opposite of 'now'

B. Wrong: 'never' is the opposite of 'ever', not of 'now'

C. Correct: 'then' (at that time) is the opposite of 'now' (at this time)

D. Wrong: 'ever' means at any time, not the opposite of 'now'

Question 42 English

42. I am desperately missing my village. (The underlined word is 'desperately'.)

- A. really
- B. rarely
- C. well
- D. hardly ✓ **Correct answer**

A. Wrong: 'really' means truly, not the opposite of 'desperately'

B. Wrong: 'rarely' is about frequency, not the degree meant here

C. Wrong: 'well' means in a good way, not the opposite of 'desperately'

D. Correct: per the official Urdu key — 'desperately' (intensely) is opposed by 'hardly' (barely), a degree antonym; 'rarely' is a frequency word, not a degree antonym

Question 43 English

43. Rivers have always played a very important role in life of human beings. (The underlined word is 'always'.)

- B. seldom
- C. never ✓ **Correct answer**
- D. sometimes

A. Wrong: 'rarely' means not often, but the exact opposite of 'always' is 'never'

B. Wrong: 'seldom' means not often, but the exact opposite of 'always' is 'never'

C. Correct: 'never' (at no time) is the exact opposite of 'always' (at all times)

D. Wrong: 'sometimes' means occasionally, not the opposite of 'always'

Question 44 English

44. A host of golden daffodil; Beside the lake, beneath the trees. (The underlined word is 'beneath'.)

- A. above ✓ **Correct answer**
- B. over
- C. upon
- D. on

A. Correct: 'beneath' means under — its opposite is 'above'

B. Wrong: 'over' can mean above, but 'above' is the direct opposite of 'beneath' in this line

C. Wrong: 'upon' means on top of, not the opposite of 'beneath'

D. Wrong: 'on' means on the surface of, not the opposite of 'beneath'

Question 45 English

45. To conclude, a desert has a vast area of just sand, with no trees or forests. (The underlined word is 'conclude'.)

- A. begin ✓ **Correct answer**

- C. introduce
- D. initiate

A. Correct: 'conclude' means to end — its opposite is 'begin'

B. Wrong: 'start' is a near-opposite, but the key files 'begin' as the opposite of 'conclude'

C. Wrong: 'introduce' means to bring in, not the opposite of 'conclude'

D. Wrong: 'initiate' means to start formally, not the opposite of 'conclude'

Question 46 English

46. "I shall be merciful and forgive you this time if you beg forgiveness _____ this gentleman here."

- A. from
- B. of ✓ **Correct answer**
- C. to
- D. by

A. Wrong: one begs forgiveness 'from' a person in general use, but the booklet's sentence takes 'of' — per the official Urdu key

B. Correct: per the official Urdu key — 'beg forgiveness of this gentleman'

C. Wrong: 'beg forgiveness to' is not idiomatic

D. Wrong: 'beg forgiveness by' is not idiomatic

Question 47 English

47. Marine fishing is done in the Arabian Sea _____ the coast.

- A. from
- B. on

- D. along ✓ **Correct answer**

A. Wrong: fishing 'from the coast' would mean starting at the coast, not the place of fishing

B. Wrong: fishing 'on the coast' is not the idiom for the sea beside the coast

C. Wrong: fishing 'into the coast' is not idiomatic

D. Correct: marine fishing is done in the sea along the coast

Question 48 English

48. Let such _____ peace depart.

- A. in ✓ **Correct answer**
- B. with
- C. for
- D. to

A. Correct: per the official Urdu key — 'Let such in peace depart' (the line from Abou Ben Adhem)

B. Wrong: 'with peace' is not the wording of the line

C. Wrong: 'for peace' is not the wording of the line

D. Wrong: 'to peace' is not the wording of the line

Question 49 English

49. The village life anywhere in the world is closely associated _____ agriculture.

- A. to
- B. by
- C. with ✓ **Correct answer**

A. Wrong: 'associated to' is not idiomatic

B. Wrong: 'associated by' is not idiomatic

C. Correct: village life is closely associated with agriculture

D. Wrong: 'associated for' is not idiomatic

Question 50 English

50. Moazzam was delighted _____ the generosity of his elder brother.

- A. at
- B. with ✓ **Correct answer**
- C. by
- D. for

A. Wrong: 'delighted at' is possible in some uses, but the booklet files 'with' — per the official Urdu key

B. Correct: per the official Urdu key — 'delighted with the generosity'

C. Wrong: 'delighted by' is possible in some uses, but the booklet files 'with' — per the official Urdu key

D. Wrong: 'delighted for' is not idiomatic here

Question 51 Mathematics

51. The identity $1 + \tan^2\theta$ is equal to:

- A. $\text{Sin}^2\theta$
- B. $\text{Cos}^2\theta$
- C. $\text{Sec}^2\theta$ ✓ **Correct answer**
- D. $\text{Cot}^2\theta$

+ tan²θ is not sin²θ

B. Wrong: 1 + tan²θ is not cos²θ

C. Correct: 1 + tan²θ = sec²θ, the standard trigonometric identity

D. Wrong: 1 + tan²θ is not cot²θ (1 + cot²θ = cosec²θ)

Question 52 Mathematics

52. The value of $(1 + 2^0 + 3^2 + 4^0) / (5 + 6^0)$ would be:

- A. 2 ✓ **Correct answer**
- B. 3
- C. 4
- D. 5

A. Correct: (1 + 1 + 9 + 1) / (5 + 1) = 12 / 6 = 2 (any non-zero number to the power 0 is 1)

B. Wrong: 3 is not the value — the numerator is 12 and the denominator is 6

C. Wrong: 4 is not the value — 12 / 6 = 2

D. Wrong: 5 is not the value — 12 / 6 = 2

Question 53 Mathematics

53. The value of k in equation (−16k) + (−k) − 15k − (−11k) − (−17k) = 1 is:

- A. −1
- B. −1/2
- C. −1/3
- D. −1/4 ✓ **Correct answer**

A. Wrong: −4k = 1 gives k = −1/4, not −1

B. Wrong: −4k = 1 gives k = −1/4, not −1/2

4k = 1 gives k = −1/4, not −1/3

D. Correct: −16k − k − 15k + 11k + 17k = −4k = 1, so k = −1/4

Question 54 Mathematics

54. The value of $[(2/13)^6 \div (2/13)^3]^3 \times (2/13)^{-9}$ is:

- A. 0
- B. 1 ✓ **Correct answer**
- C. 2/13
- D. 13/2

A. Wrong: the product is 1, not 0

B. Correct: $(2/13)^6 \div (2/13)^3 = (2/13)^3$; cubed gives $(2/13)^9$; times $(2/13)^{-9}$ gives $(2/13)^0 = 1$

C. Wrong: the value is 1, not 2/13

D. Wrong: the value is 1, not 13/2

Question 55 Mathematics

55. If a = 2, b = 3, c = 1, find the value of $a^2 + 3c + 4ab^2$

- A. 80
- B. 79 ✓ **Correct answer**
- C. 72
- D. 50

A. Wrong: 80 is not the value — $a^2 + 3c + 4ab^2 = 4 + 3 + 72 = 79$

B. Correct: $2^2 + 3(1) + 4(2)(3^2) = 4 + 3 + 72 = 79$

C. Wrong: 72 is only the last term ($4ab^2$), not the whole sum

D. Wrong: 50 is not the value — the sum is 79

56. In which quadrant the point P(−4, −7) lies _____

- A. 1st
- B. 2nd
- C. 3rd ✓ **Correct answer**
- D. 4th

A. Wrong: the 1st quadrant has both coordinates positive

B. Wrong: the 2nd quadrant has x negative and y positive

C. Correct: both coordinates are negative, so the point lies in the 3rd quadrant

D. Wrong: the 4th quadrant has x positive and y negative

Question 57 Mathematics

57. A = [1 0; 0 1] is called _____

- A. diagonal
- B. scalar
- C. unit ✓ **Correct answer**
- D. rectangular

A. Wrong: it is a diagonal matrix, but its specific name is the unit (identity) matrix

B. Wrong: a scalar matrix has the same number on the whole diagonal, not necessarily 1

C. Correct: the matrix with 1s on the main diagonal and 0s elsewhere is the unit (identity) matrix

D. Wrong: it is square, not rectangular

58. √3 × √5 × √15 is equal to:

- A. √3
- B. √5
- C. √15
- D. 15 ✓ **Correct answer**

A. Wrong: the product is 15, not √3

B. Wrong: the product is 15, not √5

C. Wrong: the product is 15, not √15

D. Correct: √3 × √5 × √15 = √(3 × 5 × 15) = √225 = 15

Question 59 Mathematics

59. The angle drawn in the semi-circle is always _____

- A. right ✓ **Correct answer**
- B. acute
- C. obtuse
- D. reflexive

A. Correct: the angle in a semicircle is always a right angle (90°)

B. Wrong: an angle in a semicircle is 90°, not acute

C. Wrong: an angle in a semicircle is 90°, not obtuse

D. Wrong: an angle in a semicircle is 90°, not reflexive

Question 60 Mathematics

60. Set of positive integers is greater than 2 and less than or equal to 6 in tabular form:

- B. {2, 3, 4, 5}
- C. {3, 4, 5, 6} ✓ **Correct answer**
- D. {4, 5}

A. Wrong: 6 is included (less than or equal to 6), so {3, 4, 5} is incomplete

B. Wrong: 2 is not greater than 2, so it is excluded

C. Correct: the positive integers greater than 2 and up to 6 are {3, 4, 5, 6}

D. Wrong: 3 and 6 are missing from {4, 5}

Question 61 Mathematics

61. The difference between +16 and +28 is

- A. −12 ✓ **Correct answer**
- B. +12
- C. 14
- D. −14

A. Correct: 16 − 28 = −12 (filed as printed; the absolute difference is 12 — see the verification summary)

B. Wrong: +12 is the absolute difference, not 16 − 28

C. Wrong: 14 is not the difference of 16 and 28

D. Wrong: −14 is not the difference of 16 and 28

Question 62 Mathematics

62. The sum of the interior angles of a quadrilateral is _____

- A. 90°
- B. 180°

- D. 360° ✓ **Correct answer**

A. Wrong: 90° is one right angle, not the sum for a quadrilateral

B. Wrong: 180° is the sum for a triangle, not a quadrilateral

C. Wrong: 270° is not the sum for a quadrilateral

D. Correct: the interior angles of a quadrilateral sum to 360°

Question 63 Mathematics

63. In grouped data, greatest value = 21, lowest value = 3, and number of intervals = 3, then size of class is: (The digits are partly under the 'Meritorious Academy Sindh' watermark; 21 and 3 are consistent with the key.)

- A. 3
- B. 6 ✓ **Correct answer**
- C. 18
- D. 21

A. Wrong: (21 − 3) / 3 = 6, not 3

B. Correct: class size = (greatest value − lowest value) / number of intervals = (21 − 3) / 3 = 6

C. Wrong: 18 is the range (21 − 3), not the class size

D. Wrong: 21 is the greatest value, not the class size

Question 64 Mathematics

64. A relation in which one quantity increases in the same proportion by decreasing the other is said to be.

- A. inverse proportion ✓ **Correct answer**

ct proportion

- C. ratio
- D. both A & B

A. Correct: when one quantity increases as the other decreases in the same proportion, it is inverse proportion

B. Wrong: in direct proportion both quantities increase together

C. Wrong: a ratio is a comparison of two quantities, not this relation

D. Wrong: the relation is inverse proportion only, not both

Question 65 Mathematics

65. The sum of Rs. 2400 is shared among Nida, Nadia and Amara. If Nida receives Rs. 600 and the remaining amount is shared between, Nadia and Amara in the ratio 4:5 respectively. How much does Amara receive?

- A. 800
- B. 1000 ✓ **Correct answer**
- C. 900
- D. 1200

A. Wrong: 800 is Nadia's share (4/9 of Rs. 1800), not Amara's

B. Correct: the remaining Rs. 1800 is shared 4:5, so Amara receives 5/9 × 1800 = Rs. 1000

C. Wrong: 900 is not 5/9 of Rs. 1800

D. Wrong: 1200 is not 5/9 of Rs. 1800

Question 66 Mathematics

66. During a thunderstorm, the outdoor temperature went from 88°F to 77°F. Find the percent of decrease.

5% ✓ Correct answer

- B. 15%
- C. 20%
- D. 25%

A. Correct: the decrease is 11°F, and 11 / 88 × 100 = 12.5%

B. Wrong: 15% of 88 is 13.2, not 11

C. Wrong: 20% of 88 is 17.6, not 11

D. Wrong: 25% of 88 is 22, not 11

Question 67 Mathematics

67. Which represents a percent increase of 20%?

- A. 20 to 30
- B. 30 to 40
- C. 50 to 60 ✓ **Correct answer**
- D. 90 to 100

A. Wrong: 20 to 30 is a 50% increase

B. Wrong: 30 to 40 is a 33.3% increase

C. Correct: 50 to 60 is an increase of 10, and 10 / 50 × 100 = 20%

D. Wrong: 90 to 100 is an 11.1% increase

Question 68 Mathematics

68. If A matrix have order m × n and B matrix order of n × p then the order of product A.B is:

- A. m × n
- B. n × p

p ✓ **Correct answer**

- D. p × n

A. Wrong: m × n is the order of A, not of the product

B. Wrong: n × p is the order of B, not of the product

C. Correct: the product of an m × n matrix and an n × p matrix has order m × p

D. Wrong: p × n is not the order of the product

Question 69 Mathematics

69. The line segment whose end points are in the circle is called:

- A. chord ✓ **Correct answer**
- B. secant
- C. tangent
- D. arc

A. Correct: a line segment with both endpoints on the circle is a chord

B. Wrong: a secant is a line that cuts the circle at two points, not a segment

C. Wrong: a tangent touches the circle at one point only

D. Wrong: an arc is a part of the circumference, not a line segment

Question 70 Mathematics

70. The solution set of $|3x| = 6$ is:

- A. { }
- B. {2, −2} ✓ **Correct answer**
- C. {2, 0}
- D. {−1, 2}

e equation has solutions, so the set is not empty

B. Correct: $|3x| = 6$ gives $3x = 6$ or $3x = -6$, so $x = 2$ or $x = -2$

C. Wrong: $x = 0$ does not satisfy $|3x| = 6$

D. Wrong: $x = -1$ does not satisfy $|3x| = 6$

Question 71 Science

71. The study of internal structure of earth is called

- A. Geobiology
- B. Geophysics ✓ **Correct answer**
- C. Astrophysics
- D. Thermodynamics

A. Wrong: geobiology is the study of the interaction of life with the earth

B. Correct: geophysics is the study of the internal structure of the earth

C. Wrong: astrophysics is the study of the physics of the universe

D. Wrong: thermodynamics is the study of heat and energy

Question 72 Science

72. The quantities that cannot be explained in terms of other quantities are known as

- A. Fundamental physical quantities ✓ **Correct answer**
- B. Chemical quantities
- C. Energy materials
- D. Non basic quantities

A. Correct: fundamental physical quantities (length, mass, time and so on) cannot be expressed in terms of other quantities

...emical quantities are not the basic quantities

C. Wrong: energy materials are not quantities

D. Wrong: 'non basic quantities' is the opposite of what is asked

Question 73 Science

73. Which fluid is used in hydraulic power systems?

- A. Water
- B. Oil
- C. Non-compressible fluid
- D. All of the above ✓ **Correct answer**

A. Wrong: water alone is not the whole answer — oil is also used

B. Wrong: oil alone is not the whole answer — water is also used

C. Wrong: a non-compressible fluid alone is not the whole answer

D. Correct: water and oil are both non-compressible fluids used in hydraulic power systems

Question 74 Science

74. Which of the following does not make use of expansion and contraction?

- A. An electric fan ✓ **Correct answer**
- B. An electric iron
- C. A thermometer
- D. A railway track

A. Correct: an electric fan works by a motor rotating blades — it does not make use of expansion and contraction

B. Wrong: an electric iron uses a bimetallic strip, which works by expansion and

C. Wrong: a thermometer works by the expansion and contraction of a liquid

D. Wrong: a railway track expands and contracts with temperature (gaps are left for this)

Question 75 Science

75. A bimetallic strip is used in

- A. An electric fan
- B. An electric iron ✓ **Correct answer**
- C. A thermometer
- D. A railway track

A. Wrong: an electric fan does not use a bimetallic strip

B. Correct: an electric iron uses a bimetallic strip as its thermostat

C. Wrong: a thermometer uses the expansion of a liquid, not a bimetallic strip

D. Wrong: a railway track does not use a bimetallic strip

Question 76 Science

76. Which of the following helps to change the shape of lens in the eye

- A. Ciliary Muscle ✓ **Correct answer**
- B. Cornea
- C. Retina
- D. Iris

A. Correct: the ciliary muscle changes the shape of the eye lens to focus

B. Wrong: the cornea refracts light but does not change the lens shape

C. Wrong: the retina receives the image but does not change the lens shape

e iris controls the size of the pupil, not the lens shape

Question 77 Science

77. A thick layer of air that surrounds the earth is known as

- A. Moisture
- B. Atmosphere ✓ **Correct answer**
- C. Earthquake
- D. Ozone

A. Wrong: moisture is water vapour in the air, not the whole layer

B. Correct: the thick layer of air surrounding the earth is the atmosphere

C. Wrong: an earthquake is a shaking of the ground, not a layer of air

D. Wrong: ozone is one gas in the atmosphere, not the whole layer

Question 78 Science

78. According to Pascal's principle the pressure applied at a point is same/equal in all direction of enclosed

- A. Fluid ✓ **Correct answer**
- B. Solid
- C. Gas
- D. Plasma

A. Correct: Pascal's principle applies to an enclosed fluid — pressure applied at a point is transmitted equally in all directions

B. Wrong: Pascal's principle is about fluids, not solids

C. Wrong: a gas is a fluid, but the principle is stated for an enclosed fluid in general

D. Wrong: plasma is not what Pascal's principle is stated for

79 Science

79. The study of the behavior and application of compressed air is called

- A. Pneumatic Technology ✓ **Correct answer**
- B. Biotechnology
- C. Aerospace Technology
- D. Nano Technology

A. Correct: pneumatic technology is the study of the behaviour and application of compressed air

B. Wrong: biotechnology is the use of living systems in technology

C. Wrong: aerospace technology is about aircraft and spacecraft

D. Wrong: nano technology works at the nanometre scale

Question 80 Science

80. A place of living according to particular environment of living thing is

- A. Ecosystem
- B. Habitat ✓ **Correct answer**
- C. Biosphere
- D. Ecosphere

A. Wrong: an ecosystem is a community plus its environment, not just the place of living

B. Correct: a habitat is the place where a living thing lives according to its environment

C. Wrong: the biosphere is the whole zone of life on earth

D. Wrong: the ecosphere is the whole planetary ecosystem, not a single place of living

81 Science

81. Area where river meets with sea is

- A. Freshwater
- B. Marine water
- C. Estuarine water ✓ **Correct answer**
- D. Stationary water

A. Wrong: freshwater is river water before it meets the sea

B. Wrong: marine water is sea water, not the meeting area

C. Correct: the area where a river meets the sea is estuarine water (an estuary)

D. Wrong: stationary water is still water, not the meeting area

Question 82 Science

82. Oil can be changed into fat through the process of

- A. Oxidation
- B. Hydrogenation ✓ **Correct answer**
- C. Hydrolysis
- D. Polymerization

A. Wrong: oxidation adds oxygen, it does not turn oil into fat

B. Correct: hydrogenation adds hydrogen to unsaturated oil and turns it into solid fat (ghee)

C. Wrong: hydrolysis breaks a compound with water, it does not turn oil into fat

D. Wrong: polymerization joins small molecules into large ones, it does not turn oil into fat

83 Science

83. The _____ is made up of a double helix of two complimentary strands

- A. DNA ✓ **Correct answer**
- B. RNA
- C. Nucleus
- D. Golgi bodies

A. Correct: DNA is made up of a double helix of two complementary strands

B. Wrong: RNA is usually single-stranded, not a double helix

C. Wrong: the nucleus is the organelle that contains DNA, not the double helix itself

D. Wrong: Golgi bodies package proteins, they are not a double helix

Question 84 Science

84. The water has maximum density at

- A. 4 °C ✓ **Correct answer**
- B. 0 °C
- C. 25 °C
- D. 37 °C

A. Correct: water has its maximum density at 4 °C

B. Wrong: at 0 °C water freezes and its density is lower than at 4 °C

C. Wrong: at 25 °C water is less dense than at 4 °C

D. Wrong: 37 °C is body temperature, not the temperature of maximum density

Question 85 Science

85. Infants (children) should be immunized with BCG (bacille calmette-guerin) vaccine

- A. Tuberculosis (TB) ✓ **Correct answer**
- B. Malaria
- C. Measles
- D. Typhoid

A. Correct: BCG vaccine protects against tuberculosis (TB)

B. Wrong: malaria has no BCG vaccine

C. Wrong: measles is prevented by the MMR vaccine, not BCG

D. Wrong: typhoid is prevented by the typhoid vaccine, not BCG

Question 86 Science

86. Wavelength symbol "λ" is termed as

- A. Lambda ✓ **Correct answer**
- B. Eeta
- C. Wavenumber
- D. Phi

A. Correct: the Greek letter λ is called lambda, the symbol for wavelength

B. Wrong: 'eeta' (eta) is a different Greek letter (η)

C. Wrong: wavenumber is the reciprocal of wavelength, not the name of λ

D. Wrong: phi (φ) is a different Greek letter

Question 87 Science

87. Which structure prevents the food from entering the larynx during swallowing?

- A. Pharynx

- C. Epiglottis ✓ **Correct answer**
- D. Tongue

A. Wrong: the pharynx is the passage food travels through, it does not block the larynx

B. Wrong: the esophagus carries food to the stomach, it does not block the larynx

C. Correct: the epiglottis covers the larynx during swallowing so food cannot enter it

D. Wrong: the tongue pushes food back, it does not cover the larynx

Question 88 Science

88. Zygote forms after the fusion of different

- A. Embryo
- B. Gametes ✓ **Correct answer**
- C. Body cells
- D. A) & B)

A. Wrong: the embryo develops from the zygote, it does not fuse to form it

B. Correct: a zygote forms after the fusion of two different gametes (male and female)

C. Wrong: body cells do not fuse to form a zygote

D. Wrong: only gametes fuse to form a zygote, not embryo and gametes

Question 89 Science

89. Pollen grains are microscopic structure located in ..... of flower

- A. Anther ✓ **Correct answer**
- B. Pistil
- C. Petal
- D. Sepal

olien grains are produced in the anther of a flower

B. Wrong: the pistil is the female part that receives pollen

C. Wrong: the petal attracts pollinators, it does not hold pollen grains

D. Wrong: the sepal protects the bud, it does not hold pollen grains

Question 90 Science

90. Sound waves travel in solvents in the form of

- A. Transverse waves
- B. Longitudinal waves ✓ **Correct answer**
- C. Stationary waves
- D. Both A and B

A. Wrong: sound does not travel as transverse waves in a fluid

B. Correct: sound travels through fluids (solvents) as longitudinal waves

C. Wrong: stationary waves are a standing pattern, not how sound travels

D. Wrong: sound travels as longitudinal waves only in a fluid, not both

Question 91 Computer

(Sindhi stem, two lines — line 1 asks which IS a cyber crime, line 2 asks which is NOT a cyber crime; the key resolves it to the NOT reading — see the verification summary.) 91. Which of the following is NOT a cyber crime?

- A. Stealing password
- B. Hacking social media account
- C. Committing online frauds
- D. Stealing a book ✓ **Correct answer**

A. Wrong: stealing a password is a cyber crime

hacking a social media account is a cyber crime

C. Wrong: committing online fraud is a cyber crime

D. Correct: stealing a book is an ordinary theft, not a cyber crime

Question 92 Computer

(Sindhi stem — best reading.) 92. Which virus (Virus) attacked the NHS of the United Kingdom (The United Kingdom)?

- A. WannaCry ✓ **Correct answer**
- B. Avast
- C. I love you
- D. SecureYou

A. Correct: the WannaCry ransomware attacked NHS England in May 2017

B. Wrong: Avast is an antivirus software, not a virus

C. Wrong: 'I love you' (ILOVEYOU) is a different virus that did not attack the NHS

D. Wrong: SecureYou is not the virus that attacked the NHS

Question 93 Computer

(Sindhi stem, two lines — line 1 asks which IS an Antivirus Software, line 2 asks which is NOT an Antivirus Software; the key resolves it to the NOT reading — see the verification summary.) 93. Which of the following is NOT an Antivirus Software?

- A. Norton
- B. McAfee
- C. Avast
- D. Chrome ✓ **Correct answer**

A. Wrong: Norton is an antivirus software

cAfee is an antivirus software

C. Wrong: Avast is an antivirus software

D. Correct: Chrome is a web browser, not an antivirus software

Question 94 Computer

(Sindhi stem — best reading.) 94. MS-Word 2020 has the ability to create a ..... of any document.

- A. Table of Contents (ToC) ✓ **Correct answer**
- B. Table of Context (ToC)
- C. Table of Commands (ToC)
- D. Table of Concerns (ToC)

A. Correct: MS-Word can create a Table of Contents for a document

B. Wrong: 'Table of Context' is not an MS-Word feature

C. Wrong: 'Table of Commands' is not an MS-Word feature

D. Wrong: 'Table of Concerns' is not an MS-Word feature

Question 95 Computer

(Sindhi stem — best reading.) 95. Sorting (Data) is a method of arranging or re-arranging data on the basis of different .....

- A. Languages
- B. Decimal Points
- C. Criteria ✓ **Correct answer**
- D. Names

A. Wrong: sorting is not done on the basis of languages

B. Wrong: sorting is not done on the basis of decimal points

ata is sorted on the basis of criteria (the chosen field or condition)

D. Wrong: sorting can be by names, but the general basis asked for is criteria

Question 96 Computer

(Sindhi stem — best reading.) 96. The process of obtaining useful information from data is called .....

- A. Input
- B. Output
- C. Processing ✓ **Correct answer**
- D. Storage

A. Wrong: input is entering data, not obtaining information from it

B. Wrong: output is the result shown, not the process of obtaining it

C. Correct: per the official Urdu key — processing is the process of obtaining information from data

D. Wrong: storage is keeping data, not obtaining information from it

Question 97 Computer

(Sindhi stem — best reading.) 97. The Slide Rule is an invention of the ..... age of computers.

- A. Middle
- B. Modern
- C. Dark ✓ **Correct answer**
- D. Future

A. Wrong: the slide rule is not from the middle age of computing

B. Wrong: the slide rule is not from the modern (electronic) age

er the official Urdu key — the slide rule belongs to the dark age of computing, the pre-electronic era

D. Wrong: the slide rule is not from the future age

Question 98 Computer

(Sindhi stem — best reading.) 98. ..... converts an Assembly Language program into Machine Language.

- A. Translator
- B. Compiler
- C. Assembler ✓ **Correct answer**
- D. Application Software

A. Wrong: a translator is the general name, but the specific program for assembly language is the assembler

B. Wrong: a compiler translates high-level language, not assembly language

C. Correct: an assembler translates assembly language into machine language — and the official key agrees, so no printed-key correction is needed

D. Wrong: application software is end-user software, not a language translator

Question 99 Computer

(Sindhi stem — best reading.) 99. Light is an example of a .....

- A. Digital Signal
- B. Analog Signal ✓ **Correct answer**
- C. Hybrid Signal
- D. Noise Signal

A. Wrong: light is not a digital (discrete) signal

ght is a continuous, analog signal

C. Wrong: light is not a hybrid signal

D. Wrong: light is not a noise signal

Question 100 Computer

(Sindhi stem — best reading.) 100. To change the default language in MS-Word, select .....

- A. Open
- B. Save
- C. Options ✓ **Correct answer**
- D. Advanced

A. Wrong: 'Open' does not change the default language

B. Wrong: 'Save' does not change the default language

C. Correct: File > Options > Language changes the default language in MS-Word

D. Wrong: 'Advanced' is a tab inside Options, not the menu to select first

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