Matriculation Category (BPS 05-15) — 2025 · Solved Past Paper

Body: Sindh Testing Service (STS) · **Post:** Matriculation Category (BPS 05-15) · **Year:** 2025 · **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 2025 sitting.

Source note: SainAzeemTech, 'BPS 05 TO 15 MATRICULATION CATEGORY PAST PAPER DATED: 02-07-2025' (Google Drive PDF, accessed 10 Nov 2026; 100 stems numbered 1-100, each with a printed key marked with a tick, all 4-option), linked from https://sainazeemtech.com/download-past-papers-in-pdf-free-syllabus-notes/ . Every printed key was verified independently (own knowledge + targeted sources for the doubtful items) under the owner's 8 Nov 2026 standard. 1 printed-key correction is filed openly with evidence (Q61: D to C — the West Indies won the 2nd Test in Multan on 27 January 2025, their first Test win in Pakistan since November 1990; Bangladesh's August 2024 win was their first ever, not a win after 35 years). 4 PICK-ONE (Q11, Q15, Q20, Q22), decided by the assistant under the owner's 8 Nov 2026 delegation. Reproduction note: page-footer text ('Page N of 23 … For More 100% Free PDF, Notes, MCQs') intrudes into several stems and options and is omitted as not part of any stem or option.

Question 1 English

The similar meaning of the word ADVISOR is:

- A. Guide ✓ **Correct answer**

- C. Listener
- D. Learner

A. An advisor is one who guides — 'Guide' is the synonym.

B. Follower is the opposite of advisor.

C. Listener is one who listens, not an advisor.

D. Learner is one who learns, not an advisor.

Question 2 English

The similar meaning of the word FOUNDED is:

- A. Undecided
- B. Established ✓ **Correct answer**
- C. Unstable
- D. Progressed

A. Undecided is the opposite of founded (settled).

B. Founded means established — 'Established' is the synonym.

C. Unstable is the opposite of founded (firm).

D. Progressed means moved forward; it is not a synonym of founded.

Question 3 English

The similar meaning of the word ADOPT is:

- A. Deny
- B. Refuse
- C. Oppose
- D. Accept ✓ **Correct answer**

e opposite of adopt.

B. Refuse is the opposite of adopt.

C. Oppose is the opposite of adopt.

D. Adopt means to accept or take up — 'Accept' is the synonym.

Question 4 English

The opposite meaning of the word DEFEAT is:

- A. Beat
- B. Win ✓ **Correct answer**
- C. Success
- D. Surrender

A. Beat is a synonym of defeat, not its opposite.

B. Defeat means to lose; its opposite is to 'Win'.

C. Success is the result of winning, not the opposite of defeat itself.

D. Surrender is a synonym of defeat (giving up), not its opposite.

Question 5 English

The opposite meaning of the word PROMOTE is:

- A. Advance
- B. Encourage
- C. Demote ✓ **Correct answer**
- D. Develop

A. Advance is a synonym of promote, not its opposite.

B. Encourage is a synonym of promote, not its opposite.

means to raise in rank, its opposite is to 'Demote'.

D. Develop is a synonym of promote (to advance), not its opposite.

Question 6 English

Ashoka, after a bloody war, adopted:

- A. Islam
- B. Confucius
- C. Christianity
- D. Buddhism ✓ **Correct answer**

A. The passage says Ashoka adopted Buddhism, not Islam.

B. The passage says Ashoka adopted Buddhism, not Confucianism.

C. The passage says Ashoka adopted Buddhism, not Christianity.

D. The passage says Ashoka, after a bloody war, adopted Buddhism — 'Buddhism' is the answer.

Question 7 English

Farmers work better for growing crops and get more food from the land by using:

- A. Iron tools ✓ **Correct answer**
- B. Wooden tools
- C. Bull carts
- D. Animals

A. The passage says iron tools helped farmers work better and grow more food — 'Iron tools' is the answer.

B. The passage says iron tools, not wooden tools.

C. The passage says iron tools, not bull carts.

ge says iron tools, not animals.

Question 8 English

The first ruler of the Mauryan Empire was:

- A. Bindusara
- B. Ashoka
- C. Chandragupta Maurya ✓ **Correct answer**
- D. Chandragupta

A. Bindusara was Chandragupta's son, the second ruler, not the first.

B. Ashoka was Chandragupta's grandson, the third ruler, not the first.

C. The passage says Chandragupta Maurya founded the Mauryan Empire — he was its first ruler.

D. 'Chandragupta' alone is the same person, but the full name 'Chandragupta Maurya' is the keyed answer.

Question 9 English

Chandragupta Maurya defeated:

- A. Mauryan Empire
- B. Nanda Dynasty ✓ **Correct answer**
- C. Bindusara
- D. Andhra Dynasty

A. Chandragupta founded the Mauryan Empire; he did not defeat it.

B. The passage says Chandragupta Maurya defeated the Nanda Dynasty — 'Nanda Dynasty' is the answer.

C. Bindusara was his son, not the defeated dynasty.

ge says he defeated the Nanda Dynasty, not the Andhra Dynasty.

Question 10 English

Religious values spread through:

- A. Paper distribution
- B. Holy books
- C. The rock inscriptions ✓ **Correct answer**
- D. Paper manuscripts

A. The passage says rock inscriptions, not paper distribution.

B. The passage says rock inscriptions, not holy books.

C. The passage says religious values spread through the rock inscriptions — 'The rock inscriptions' is the answer.

D. The passage says rock inscriptions, not paper manuscripts.

Question 11 English

The synonym of the word HELP is:

- A. Comfort ✓ **Correct answer**
- B. Hurt
- C. Handicap
- D. Blockage

A. Help means to assist; among the options 'Comfort' (to give ease and support) is the intended synonym.

B. Hurt is the opposite of help.

C. Handicap means to hinder — the opposite of help.

D. Blockage means an obstruction — the opposite of help.

PICK ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): strictly, the synonym of 'help' is 'assist' or 'aid', which is not among the options; 'Comfort' is kept as the printed key and the intended answer because it is the only supportive, positive option.

Question 12 English

The antonym of the word GRACE is:

- A. Ungraceful ✓ **Correct answer**
- B. Decency
- C. Decorum
- D. Dignity

A. Grace means elegance; its opposite is 'Ungraceful'.

B. Decency is a synonym of grace, not its opposite.

C. Decorum is a synonym of grace, not its opposite.

D. Dignity is a synonym of grace, not its opposite.

Question 13 English

The synonym of the word HONOURED is:

- A. Shame
- B. Shy
- C. Shattered
- D. Respected ✓ **Correct answer**

A. Shame is the opposite of honoured.

B. Shy means timid; it is not a synonym of honoured.

C. Shattered means broken; it is not a synonym of honoured.

| means respected — 'Respected' is the synonym.

Question 14 English

The antonym of the word DENIED is:

- A. Banned
- B. Rejected
- C. Allowed ✓ **Correct answer**
- D. Disowned

A. Banned is a synonym of denied, not its opposite.

B. Rejected is a synonym of denied, not its opposite.

C. Denied means refused; its opposite is 'Allowed'.

D. Disowned is a synonym of denied, not its opposite.

Question 15 English

The synonym of the word CURIOUS is:

- A. Analytical
- B. Normal
- C. Ordinary
- D. Unusual ✓ **Correct answer**

A. Analytical means logical; it is only a near relation of curious.

B. Normal is the opposite of the 'strange' sense of curious.

C. Ordinary is the opposite of the 'strange' sense of curious.

D. Curious also means strange or odd — 'Unusual' is the synonym in that sense.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation):

of 'eager to know', no option fits — 'Analytical' is only a near relation; 'Unusual' is kept as the printed key because it matches the other sense of 'curious' (strange, odd).

Question 16 English

The antonym of the word CLEAN is:

- A. Dirty ✓ **Correct answer**
- B. Mop
- C. Rub
- D. Wash

A. Clean means free from dirt; its opposite is 'Dirty'.

B. Mop is a cleaning tool, not the opposite of clean.

C. Rub is a cleaning action, not the opposite of clean.

D. Wash is a cleaning action, not the opposite of clean.

Question 17 English

The synonym of the word SYMPTOM is:

- A. Health
- B. Hygiene
- C. Indication ✓ **Correct answer**
- D. Purpose

A. Health is what a symptom indicates, not the symptom itself.

B. Hygiene is cleanliness, not a symptom.

C. A symptom is a sign of a condition — 'Indication' is the synonym.

D. Purpose is an aim, not a symptom.

18 English

The antonym of the word REWARD is:

- A. Benefit
- B. Bounty
- C. Penalty ✓ **Correct answer**
- D. Remuneration

A. Benefit is a synonym of reward, not its opposite.

B. Bounty is a synonym of reward, not its opposite.

C. Reward means a prize for good work; its opposite is a 'Penalty'.

D. Remuneration is a synonym of reward, not its opposite.

Question 19 English

The synonym of the word Wealthy is:

- A. Sparse
- B. Healthy
- C. Rich ✓ **Correct answer**
- D. Needy

A. Sparse means thin or few; it is not a synonym of wealthy.

B. Healthy means well; it is not a synonym of wealthy.

C. Wealthy means having much money — 'Rich' is the synonym.

D. Needy is the opposite of wealthy.

Question 20 English

The antonym of the word Relieved is:

- B. Significance
- C. Tired ✓ **Correct answer**
- D. Catch

A. Provide means to give; it is not the opposite of relieved.

B. Significance means importance; it is not the opposite of relieved.

C. Relieved means freed from worry; among the options 'Tired' (worn out, not at ease) is the intended opposite.

D. Catch means to seize; it is not the opposite of relieved.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): the direct antonym of 'relieved' is 'stressed' or 'anxious', which is not among the options; 'Tired' is kept as the printed key and the intended answer.

Question 21 English

Choose the correct spelling:

- A. Agricultural ✓ **Correct answer**
- B. Agrecultural
- C. Aggricultural
- D. Agricaltural

A. The correct spelling is A-G-R-I-C-U-L-T-U-R-A-L — 'Agricultural'.

B. Misspelt: 'e' for 'i'.

C. Misspelt: 'gg' for 'g'.

D. Misspelt: 'al' for 'ul'.

22 English

Choose the correct spelling:

- A. Quarelled
- B. Quarraled
- C. Quarriled
- D. Quarreled ✓ **Correct answer**

A. 'Quarrelled' is also a correct spelling (British) — see the note.

B. Misspelt: 'a' for 'e'.

C. Misspelt: 'i' for 'e'.

D. The correct spelling is Q-U-A-R-R-E-L-E-D — 'Quarreled'.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): both A ('Quarrelled', the British spelling with double L) and D ('Quarreled', the American spelling) are correct English spellings; D is kept as the printed key.

Question 23 English

Select the correct spelling:

- A. Navegation
- B. Naviggetion
- C. Navigation ✓ **Correct answer**
- D. Nevegation

A. Misspelt: 'e' for 'i'.

B. Misspelt: 'gg' for 'g'.

C. The correct spelling is N-A-V-I-G-A-T-I-O-N — 'Navigation'.

D. Misspelt: 'e' for 'i'.

24 English

Choose the correct spelling:

- A. Tycoon ✓ **Correct answer**
- B. Tycoin
- C. Tycon
- D. Tycoan

A. The correct spelling is T-Y-C-O-O-N — 'Tycoon'.

B. Misspelt: 'i' for 'oo'.

C. Misspelt: missing the second 'o'.

D. Misspelt: 'a' for 'oo'.

Question 25 English

Choose the correct spelling for a set of eating or cutting foods.

- A. Cutlerry
- B. Cuttlery
- C. Cutlery ✓ **Correct answer**
- D. Cultelry

A. Misspelt: 'er' for 'le'.

B. Misspelt: 'tt' for 't'.

C. The correct spelling is C-U-T-L-E-R-Y — 'Cutlery'.

D. Misspelt: 'tel' for 'tle'.

Question 26 English

All the cows are food by my younger brother.(Find the error)

- B. cows
- C. food ✓ **Correct answer**
- D. by

A. 'All' is correct; there is no error in it.

B. 'cows' is correct; there is no error in it.

C. 'Are food' is wrong — the cows are 'fed' by my younger brother; the error is 'food'.

D. 'by' is correct; there is no error in it.

Question 27 English

I won't be able to join you if my baby was at home.(Find the error)

- A. be
- B. to join
- C. my
- D. was ✓ **Correct answer**

A. 'be' is correct; there is no error in it.

B. 'to join' is correct; there is no error in it.

C. 'my' is correct; there is no error in it.

D. The condition is present ('won't be able'), so the verb must be present: 'if my baby is at home', not 'was'; the error is 'was'.

Question 28 English

We mustn’t breaks the school furniture.(Find the Error)

- A. mustn't
- B. breaks ✓ **Correct answer**

- D. furniture

A. 'mustn't' is correct; there is no error in it.

B. After 'mustn't' the base form is needed: 'break', not 'breaks'; the error is 'breaks'.

C. 'school' is correct; there is no error in it.

D. 'furniture' is correct; there is no error in it.

Question 29 English

Although Saleem has lived in Lahore, he can’t spoke Punjabi well.(Find the Error)

- A. has
- B. lived
- C. spoke ✓ **Correct answer**
- D. well

A. 'has' is correct; there is no error in it.

B. 'lived' is correct; there is no error in it.

C. After 'can't' the base form is needed: 'speak', not 'spoke'; the error is 'spoke'.

D. 'well' is correct; there is no error in it.

Question 30 English

My friend has a sweet daughter, but a child of his constant sick.(Find the Error)

- A. friend
- B. sweet
- C. child
- D. constant ✓ **Correct answer**

correct, there is no error in it.

B. 'sweet' is correct; there is no error in it.

C. 'child' is correct; there is no error in it.

D. 'Constant sick' is wrong — the adverb 'constantly' is needed ('constantly sick'); the error is 'constant'.

Question 31 English

Choose the sentence with the correct use of a preposition:

- A. In Islamabad, it often snows in January. ✓ **Correct answer**
- B. In Islamabad, it often snows at January.
- C. In Islamabad, it often snows of January.
- D. In Islamabad, it often snows is January.

A. 'It often snows in January' — months take 'in'; the sentence with the correct preposition is A.

B. 'at January' is wrong — months take 'in'.

C. 'of January' is wrong — months take 'in'.

D. 'is January' is wrong — months take 'in'.

Question 32 English

Choose the sentence with the correct use of a preposition:

- A. Adil saw some monkeys on the tree who were eating bananas.
- B. Adil saw some monkeys at the tree who were eating bananas.
- C. Adil saw some monkeys in the tree who were eating bananas. ✓ **Correct answer**
- D. Adil saw some monkeys of the tree who were eating bananas.

A. 'on the tree' is not the natural preposition for monkeys sitting among branches.

e' is not the natural preposition here.

C. Monkeys sit 'in' the tree — the sentence with the correct preposition is C.

D. 'of the tree' is not the preposition for where the monkeys are.

Question 33 English

Choose the sentence with the correct use of a preposition:

- A. I am lucky to have my house near my school. ✓ **Correct answer**
- B. I am lucky to have my house above my school.
- C. I am lucky to have my house under my school.
- D. I am lucky to have my house at my school.

A. A house is 'near' the school — the sentence with the correct preposition is A.

B. 'above my school' would mean the house is on top of it.

C. 'under my school' would mean the house is beneath it.

D. 'at my school' would mean the house is at the school itself.

Question 34 English

Choose the sentence with the correct use of a preposition:

- A. Safia Decided to rearrange the furniture at their room.
- B. Safia Decided to rearrange the furniture in their room. ✓ **Correct answer**
- C. Safia Decided to rearrange the furniture of their room.
- D. Safia Decided to rearrange the furniture by their room.

A. 'at their room' is not correct for furniture inside a room.

B. Furniture is rearranged 'in' their room — the sentence with the correct preposition is B.

C. 'of their room' is not correct here.

oom' would mean next to the room, not inside it.

Question 35 English

Choose the sentence with the correct use of a preposition:

- A. I Take a bath at seven on the morning.
- B. I Take a bath at seven at the morning.
- C. I Take a bath at seven in the morning. ✓ **Correct answer**
- D. I Take a bath at seven of the morning.

A. 'on the morning' is wrong — 'in the morning' is the idiom.

B. 'at the morning' is wrong — 'in the morning' is the idiom.

C. 'At seven in the morning' — the time of day takes 'in'; the sentence with the correct preposition is C.

D. 'of the morning' is wrong — 'in the morning' is the idiom.

Question 36 English

Select the possessive pronoun in the following sentence: "I don’t think this one is mine."

- A. Don’t
- B. Mine ✓ **Correct answer**
- C. One
- D. Think

A. 'Don't' is a verb contraction, not a possessive pronoun.

B. 'Mine' is the possessive pronoun in 'I don't think this one is mine.'

C. 'One' is a pronoun, but not a possessive one.

D. 'Think' is a verb, not a possessive pronoun.

37 English

Select the superlative degree of the adjective in the following sentence: "Moen jo Daro is one of the oldest cities in the world."

- A. One
- B. Oldest ✓ **Correct answer**
- C. Cities
- D. World

A. 'One' is not an adjective degree.

B. 'Oldest' is the superlative degree of 'old' in 'one of the oldest cities in the world'.

C. 'Cities' is the noun, not the superlative adjective.

D. 'World' is the noun, not the superlative adjective.

Question 38 English

Select the relative pronoun in the following sentence: "The man who lives next door to me is called Jamil."

- A. Man
- B. Who ✓ **Correct answer**
- C. Next
- D. Jamil

A. 'Man' is the noun, not the relative pronoun.

B. 'Who' is the relative pronoun in 'The man who lives next door to me is called Jamil.'

C. 'Next' is an adjective, not the relative pronoun.

D. 'Jamil' is a name, not the relative pronoun.

39 English

Select the preposition in the following sentence: "I lived here for ten years and then moved to another place."

- A. Lived
- B. To ✓ **Correct answer**
- C. Place
- D. Then

A. 'Lived' is the verb, not the preposition.

B. 'To' is the preposition in 'I lived here for ten years and then moved to another place.'

C. 'Place' is the noun, not the preposition.

D. 'Then' is an adverb, not the preposition.

Question 40 English

Select the proper Suffix for the word Wreck:

- A. Ful
- B. Age ✓ **Correct answer**
- C. Ness
- D. Ous

A. 'Wreckful' is not a word.

B. 'Wreckage' is the word — the suffix 'age' goes after 'wreck'.

C. 'Wreckness' is not a word.

D. 'Wreckous' is not a word.

41 Mathematics

The greatest six-digit number is:

- A. 876543
- B. 999999 ✓ **Correct answer**
- C. 111111
- D. 100000

A. 876,543 is a six-digit number, but not the greatest.

B. The greatest six-digit number is 999,999.

C. 111,111 is a six-digit number, but not the greatest.

D. 100,000 is the smallest six-digit number, not the greatest.

Question 42 Mathematics

The exponent in 3^4 is:

- A. 4 ✓ **Correct answer**
- B. 3
- C. 12
- D. 34

A. In 3^4, 4 is the exponent (the power) and 3 is the base.

B. 3 is the base, not the exponent.

C. 12 is 3 × 4, not the exponent.

D. 34 is not the exponent.

Question 43 Mathematics

The base in 10^2 is:

- B. 10 ✓ **Correct answer**
- C. 18
- D. 100

A. 2 is the exponent, not the base.

B. In 10^2, 10 is the base and 2 is the exponent.

C. 18 is not the base.

D. 100 is 10^2, the value, not the base.

Question 44 Mathematics

If two quantities A and B are so related that when one increases, the other decreases.

The variation is:

- A. Direct
- B. Neutral
- C. Inverse ✓ **Correct answer**
- D. Multiple

A. Direct variation is when both increase together.

B. There is no 'neutral' variation here.

C. When one quantity increases and the other decreases, the variation is inverse.

D. There is no 'multiple' variation here.

Question 45 Mathematics

The HCF of 24 and 40 is:

- A. 4
- B. 6

Correct answer

- D. 12

A. 4 divides both, but 8 is the highest common factor.

B. 6 does not divide 40.

C. The HCF of 24 and 40 is 8 (24 = 8 × 3, 40 = 8 × 5).

D. 12 does not divide 40.

Question 46 Mathematics

Compare 3/4 and 5/4:

- A. 3/4 < 5/4 ✓ **Correct answer**
- B. 5/4 < 3/4
- C. 3/4 > 5/4
- D. 5/4 − 3/4

A. 3/4 = 0.75 and 5/4 = 1.25, so 3/4 < 5/4.

B. 5/4 is greater than 3/4, not less.

C. 3/4 is less than 5/4, not greater.

D. 5/4 − 3/4 = 1/2 is a subtraction, not a comparison.

Question 47 Mathematics

The ascending order of 2/5, 5/3, 1/2 and 5/2 is:

- A. 5/2, 2/5, 5/3, 1/2
- B. 1/2, 5/2, 5/3, 2/5
- C. 2/5, 1/2, 5/3, 5/2 ✓ **Correct answer**
- D. 2/5, 5/3, 1/2, 5/2

/3, 1/2 is not in ascending order.

B. 1/2, 5/2, 5/3, 2/5 is not in ascending order.

C. 2/5 = 0.4, 1/2 = 0.5, 5/3 ≈ 1.67, 5/2 = 2.5 — ascending: 2/5, 1/2, 5/3, 5/2.

D. 2/5, 5/3, 1/2, 5/2 is not in ascending order (1/2 comes before 5/3).

Question 48 Mathematics

Convert 5600 PKR into Dollars as one dollar equals 280 PKR:

- A. 15
- B. 20 ✓ **Correct answer**
- C. 22
- D. 24

A. 15 dollars would be 4,200 PKR, not 5,600.

B. 5,600 ÷ 280 = 20 dollars.

C. 22 dollars would be 6,160 PKR, not 5,600.

D. 24 dollars would be 6,720 PKR, not 5,600.

Question 49 Mathematics

If 1, 9, x, and 45 are in proportion, then the value of x is:

- A. 10
- B. 1
- C. 45
- D. 5 ✓ **Correct answer**

A. 10 would give 1 : 9 = 10 : 45, which is false.

B. 1 would give 1 : 9 = 1 : 45, which is false.

give 1 : 9 = 45 : 45, which is false.

D. 1 : 9 = x : 45 gives x = 45 × 1/9 = 5.

Question 50 Mathematics

The property of the real number 1/2 + 2/3 = 2/3 + 1/2 is:

- A. Multiplicative property
- B. Additive identity
- C. Associative property
- D. Commutative property ✓ **Correct answer**

A. The multiplicative property is about multiplication, not addition order.

B. The additive identity is 0 (a + 0 = a), not order.

C. The associative property is about grouping, not order.

D. 1/2 + 2/3 = 2/3 + 1/2 — changing the order does not change the sum: the commutative property.

Question 51 Mathematics

The cost of 640 photocopies at 1.50 per copy is:

- A. 920
- B. 960 ✓ **Correct answer**
- C. 840
- D. 975

A. 920 is not 640 × 1.50.

B. 640 × 1.50 = 960.

C. 840 is not 640 × 1.50.

640 × 1.50.

Question 52 Mathematics

A rectangle whose breadth is 6 cm and its perimeter is 28 cm, its length is:

- A. 8 ✓ **Correct answer**
- B. 12
- C. 16
- D. 32

A. Perimeter 28 = 2(length + 6), so length + 6 = 14 and length = 8 cm.

B. 12 cm would give a perimeter of 36 cm, not 28.

C. 16 cm would give a perimeter of 44 cm, not 28.

D. 32 cm would give a perimeter of 76 cm, not 28.

Question 53 Mathematics

The population of a village is 16,000. If the population increases by 5% in a year, the population after one year would be:

- A. 17,000
- B. 16,800 ✓ **Correct answer**
- C. 16,900
- D. 17,200

A. 17,000 would be an increase of 1,000, not 800.

B. 16,000 + 5% of 16,000 = 16,000 + 800 = 16,800.

C. 16,900 would be an increase of 900, not 800.

D. 17,200 would be an increase of 1,200, not 800.

54 Mathematics

There are 625 plants arranged in as many rows as there are plants in each row. The number of plants in each row would be:

- A. 45
- B. 35
- C. 25 ✓ **Correct answer**
- D. 15

A. 45 rows of 45 would be 2,025 plants, not 625.

B. 35 rows of 35 would be 1,225 plants, not 625.

C. 625 plants in as many rows as plants per row: √625 = 25 plants in each row.

D. 15 rows of 15 would be 225 plants, not 625.

Question 55 Mathematics

A washing machine is sold for Rs 15,912 inclusive of GST. The cost of the washing machine, excluding GST, would be when the rate of GST is 17%:

- A. 13600 ✓ **Correct answer**
- B. 14200
- C. 15200
- D. 17000

A. 13,600 × 1.17 (17% GST) = 15,912, so the price excluding GST is Rs 13,600.

B. 14,200 × 1.17 = 16,614, not 15,912.

C. 15,200 × 1.17 = 17,784, not 15,912.

D. 17,000 × 1.17 = 19,890, not 15,912.

56 Mathematics

A cube has a side length of 5 cm. Its volume would be:

- A. 100 cm^3
- B. 125 cm^3 ✓ **Correct answer**
- C. 150 cm^3
- D. 175 cm^3

A. 100 cm^3 is not 5^3.

B. Volume of a cube = $side^3$ = 5^3 = 125 cm^3.

C. 150 cm^3 is not 5^3.

D. 175 cm^3 is not 5^3.

Question 57 Mathematics

If each angle on the base of an isosceles triangle is 45°, then the measure of the third angle is:

- A. 30°
- B. 60°
- C. 90° ✓ **Correct answer**
- D. 120°

A. 30° would give a total of 120°, not 180°.

B. 60° would give a total of 150°, not 180°.

C. The third angle = 180° − 45° − 45° = 90°.

D. 120° would give a total of 210°, not 180°.

58 Mathematics

If a right-angled triangle has legs of length 6 cm and 8 cm, the length of the hypotenuse is:

- A. 8
- B. 10 ✓ **Correct answer**
- C. 12
- D. 14

A. 8 cm is one leg, not the hypotenuse.

B. Hypotenuse = $\sqrt{(6^2 + 8^2)} = \sqrt{100} = 10$ cm (the 6-8-10 triangle).

C. 12 cm is not $\sqrt{(6^2 + 8^2)}$.

D. 14 cm is not $\sqrt{(6^2 + 8^2)}$.

Question 59 Mathematics

When 16 is added to the 1/3 of a number, the result is 2⅓ of the original number. The original number is:

- A. 6
- B. 8 ✓ **Correct answer**
- C. 9
- D. 10

A. 6 would give 16 + 2 = 18, but 7 × 6/3 = 14 — not equal.

B. 16 + x/3 = 7x/3 gives 16 = 6x/3 = 2x, so x = 8.

C. 9 would give 16 + 3 = 19, but 7 × 9/3 = 21 — not equal.

D. 10 would give 16 + 10/3, but 7 × 10/3 is larger — not equal.

The sum of the two numbers is 24, and their difference is 6. The numbers are:

- A. 12 and 6
- B. 18 and 6
- C. 15 and 9 ✓ **Correct answer**
- D. 20 and 4

A. 12 and 6 sum to 18, not 24.

B. 18 and 6 sum to 24 but differ by 12, not 6.

C. (24 + 6)/2 = 15 and (24 − 6)/2 = 9 — the numbers are 15 and 9.

D. 20 and 4 sum to 24 but differ by 16, not 6.

Question 61 Pakistan Studies

The team that defeated Pakistan to win a Test match for the first time in 35 years on January 27, 2025, is:

- A. New Zealand
- B. Australia
- C. West Indies ✓ **Correct answer**
- D. Bangladesh

A. New Zealand did not win a Test in Pakistan on 27 January 2025.

B. Australia did not win a Test in Pakistan on 27 January 2025.

C. The West Indies won the 2nd Test in Multan by 120 runs on 27 January 2025 — their first Test win in Pakistan since Faisalabad, November 1990, nearly 35 years earlier.

D. Bangladesh's August 2024 win was their first ever over Pakistan, not a win after 35 years; it is the printed key and it is wrong.

PRINTED-KEY CORRECTION — D to C (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key D (Bangladesh) is wrong — Bangladesh beat Pakistan in August 2024 for the first time ever, not 'for the first time in 35 years'; the 27 January 2025 win after a 35-year gap was the West Indies' (ICC / AFP).

Question 62 Pakistan Studies

The organization that deals with international trade is:

- A. IMF
- B. WTO ✓ **Correct answer**
- C. WHO
- D. UNESCO

A. The IMF deals with international money and finance, not trade rules.

B. The WTO (World Trade Organization) deals with international trade.

C. The WHO deals with health, not trade.

D. UNESCO deals with education, science and culture, not trade.

Question 63 Pakistan Studies

The organization responsible for global labor rights is:

- A. UNESCO
- B. WHO
- C. ILO ✓ **Correct answer**
- D. IMF

A. UNESCO deals with education, science and culture, not labour rights.

B. The WHO deals with health, not labour rights.

C. The ILO (International Labour Organization) is responsible for global labour rights.

eals with international money, not labour rights.

Question 64 Pakistan Studies

The capital of Saudi Arabia is:

- A. Jeddah
- B. Makkah
- C. Medina
- D. Riyadh ✓ **Correct answer**

A. Jeddah is a major city, not the capital.

B. Makkah is the holy city, not the capital.

C. Medina is a holy city, not the capital.

D. Riyadh is the capital of Saudi Arabia.

Question 65 Pakistan Studies

The capital of America is:

- A. New York
- B. Washington, D.C. ✓ **Correct answer**
- C. Chicago
- D. Alaska

A. New York is the largest city, not the capital.

B. Washington, D.C. is the capital of the United States of America.

C. Chicago is a major city, not the capital.

D. Alaska is a state, not the capital.

66 General Knowledge

The religion most practiced worldwide is:

- A. Hinduism
- B. Islam
- C. Christianity ✓ **Correct answer**
- D. Buddhism

A. Hinduism has fewer adherents than Christianity.

B. Islam has fewer adherents than Christianity.

C. Christianity is the most widely practised religion in the world (about 2.4 billion adherents).

D. Buddhism has fewer adherents than Christianity.

Question 67 General Knowledge

The government, which is ruled by a king or queen, is:

- A. Democracy
- B. Monarchy ✓ **Correct answer**
- C. Dictatorship
- D. Oligarchy

A. A democracy is ruled by elected representatives, not a king or queen.

B. A government ruled by a king or queen is a monarchy.

C. A dictatorship is ruled by one person with absolute power, not necessarily a king or queen.

D. An oligarchy is ruled by a small group, not a king or queen.

68 General Knowledge

The province in Pakistan reported the highest number of polio cases in 2024:

- A. Punjab
- B. Khyber Pakhtunkhwa
- C. Balochistan ✓ **Correct answer**
- D. Sindh

A. Punjab reported only 1 polio case in 2024, not the highest.

B. Khyber Pakhtunkhwa reported 22 cases in 2024, fewer than Balochistan.

C. Balochistan reported the highest number of polio cases in Pakistan in 2024 (27 of the year's 74 cases).

D. Sindh reported 23 cases in 2024, fewer than Balochistan.

Question 69 General Knowledge

The name of the tree plantation campaign started by Imran Khan in Pakistan was:

- A. Clean and Green
- B. Green Pakistan
- C. Billion Tree Tsunami ✓ **Correct answer**
- D. Plant for Life

A. 'Clean and Green' was a different campaign, not the tree plantation drive.

B. 'Green Pakistan' is not the name of the campaign.

C. The Billion Tree Tsunami was Imran Khan's tree plantation campaign in Pakistan.

D. 'Plant for Life' is not the name of the campaign.

70 General Knowledge

The current Federal Minister as of May 2025 of National Food Security is:

- A. Rana Tanveer Hussein ✓ **Correct answer**
- B. Khawaja Saad Rafiq
- C. Tariq Bashir Cheema
- D. Rana Sanaullah

A. Rana Tanveer Hussain is the Federal Minister for National Food Security (as of May 2025).

B. Khawaja Saad Rafiq is a former Railways Minister, not the Food Security Minister.

C. Tariq Bashir Cheema is a former Food Security Minister, not the current one.

D. Rana Sanaullah is the Adviser on Political Affairs, not the Food Security Minister.

Question 71 General Knowledge

The current IG of Sindh Police as of May 2025 is:

- A. Ghulam Nabi Memon ✓ **Correct answer**
- B. Riffat Mukhtar Raja
- C. Mushtaq Mehar
- D. Irfan Baloch

A. Ghulam Nabi Memon is the Inspector General of Sindh Police (as of May 2025).

B. Riffat Mukhtar Raja was an earlier IG Sindh, not the current one.

C. Mushtaq Mehar was an earlier IG Sindh, not the current one.

D. Irfan Baloch is not the IG Sindh.

72 General Knowledge

The highest legal authority in Pakistan is:

- A. The President
- B. The Parliament
- C. The Prime Minister
- D. The Supreme Court ✓ **Correct answer**

A. The President is the head of state, not the highest legal authority.

B. The Parliament makes laws; the Supreme Court is the highest legal authority.

C. The Prime Minister heads the government, not the highest legal authority.

D. The Supreme Court is the highest legal authority in Pakistan.

Question 73 General Knowledge

Which country is an example of a federal system of government?

- A. United States ✓ **Correct answer**
- B. United Kingdom
- C. North Korea
- D. Saudi Arabia

A. The United States is a federal system of government.

B. The United Kingdom is a unitary system, not federal.

C. North Korea is a unitary one-party state, not federal.

D. Saudi Arabia is a monarchy, not a federal system.

Question 74 General Knowledge

The President of Pakistan is elected:

a general election

- B. By the Supreme Court
- C. By the members of the Parliament and provincial assemblies ✓ **Correct answer**
- D. By a national referendum

A. The President is not elected by a general election.

B. The Supreme Court does not elect the President.

C. The President of Pakistan is elected by the members of the Parliament and the provincial assemblies (the electoral college).

D. The President is not elected by a national referendum.

Question 75 General Knowledge

The Prime Minister of Pakistan is:

- A. Directly elected by citizens
- B. Elected by the National Assembly ✓ **Correct answer**
- C. Appointed by the President
- D. Selected by the Chief Justice

A. The Prime Minister is not directly elected by citizens.

B. The Prime Minister of Pakistan is elected by the National Assembly.

C. The President does not appoint the Prime Minister — the National Assembly elects them.

D. The Chief Justice does not select the Prime Minister.

Question 76 Everyday Science

The machine part not present in a bicycle is:

- A. Gear

- C. Chain
- D. Wheel

A. A bicycle has gears.

B. A bicycle has gears, a chain and wheels — but no motor.

C. A bicycle has a chain.

D. A bicycle has wheels.

Question 77 Everyday Science

The frequency of sound is measured in:

- A. Decibel
- B. Hertz ✓ **Correct answer**
- C. Newton
- D. Joule

A. The decibel measures loudness, not frequency.

B. The frequency of sound is measured in hertz (Hz).

C. The newton measures force, not frequency.

D. The joule measures energy, not frequency.

Question 78 Everyday Science

The transfer of heat that occurs through direct contact is called:

- A. Reflection
- B. Refraction
- C. Convection
- D. Conduction ✓ **Correct answer**

is the bouncing of light, not heat transfer by contact.

B. Refraction is the bending of light, not heat transfer by contact.

C. Convection is heat transfer by moving fluid, not by direct contact.

D. Heat transfer through direct contact is conduction.

Question 79 Everyday Science

All of the following are scalar quantities except:

- A. Distance
- B. Speed
- C. Time
- D. Displacement ✓ **Correct answer**

A. Distance is a scalar quantity.

B. Speed is a scalar quantity.

C. Time is a scalar quantity.

D. Distance, speed and time are scalars; displacement has direction, so it is a vector — the exception.

Question 80 Everyday Science

A force of 15N is applied at a distance of 0.4 meters from a pivot. The torque would be:

- A. 4 Nm
- B. 6 Nm ✓ **Correct answer**
- C. 8 Nm
- D. 10 Nm

A. 4 Nm is not 15 × 0.4.

force × distance = 15 N × 0.4 m = 6 Nm.

C. 8 Nm is not 15 × 0.4.

D. 10 Nm is not 15 × 0.4.

Question 81 Everyday Science

Keeping the cross-sectional area of a wire the same, if its length is doubled, the resistance will become:

- A. Half
- B. Double ✓ **Correct answer**
- C. Same
- D. Four times

A. Halving would happen if the length were halved, not doubled.

B. Resistance is proportional to length (R = ρL/A), so doubling the length doubles the resistance.

C. The resistance changes with length; it does not stay the same.

D. Four times would need the length to quadruple, not double.

Question 82 Everyday Science

In an irregular reflection, the light rays reflect at:

- A. Different angles ✓ **Correct answer**
- B. Some at the same angles, some at different angles
- C. Same angles
- D. Always 90 degrees

A. In irregular (diffuse) reflection the light rays reflect at different angles.

B. Some at the same angles and some at different is not the definition of irregular

C. Same angles is regular reflection, not irregular.

D. Irregular reflection is not at 90 degrees.

Question 83 Everyday Science

By increasing the amplitude of sound waves, the loudness of sound:

- A. Decreases
- B. Increases ✓ **Correct answer**
- C. First increases, then decreases
- D. Remains the same

A. Loudness increases with amplitude, it does not decrease.

B. Increasing the amplitude of sound waves increases the loudness of the sound.

C. Loudness rises steadily with amplitude; it does not first rise then fall.

D. Loudness changes with amplitude; it does not remain the same.

Question 84 Everyday Science

By increasing the temperature, the movement of molecules:

- A. Decreases
- B. Increases ✓ **Correct answer**
- C. Remains the same
- D. Decreases then increases

A. Molecular movement increases with temperature, it does not decrease.

B. Increasing the temperature increases the movement (kinetic energy) of molecules.

C. Molecular movement changes with temperature; it does not remain the same.

movement increases steadily with temperature.

Question 85 Everyday Science

According to the first law of reflection:

- A. The angle of incidence is always greater than the angle of reflection
- B. The angle of incidence is always less than the angle of reflection
- C. The angle of incidence is equal to the angle of reflection ✓ **Correct answer**
- D. The incident ray, reflected ray, and the normal lie in different planes

A. The angle of incidence is not greater than the angle of reflection.

B. The angle of incidence is not less than the angle of reflection.

C. The first law of reflection: the angle of incidence is equal to the angle of reflection.

D. The incident ray, reflected ray and normal lie in the SAME plane, not different planes.

Question 86 Islamiat

The ratio of Zakat on money, gold, and silver is:

- A. 5.5
- B. 2.5 ✓ **Correct answer**
- C. 3.5
- D. 4.5

A. 5.5% is not the Zakat rate on money, gold and silver.

B. The rate of Zakat on money, gold and silver is 2.5%.

C. 3.5% is not the Zakat rate on money, gold and silver.

D. 4.5% is not the Zakat rate on money, gold and silver.

87 Islamiat

As per the saying of the Holy Prophet (PBUH), one who fasts but does not refrain from immoral actions is regarded as:

- A. Munafiq (Hypocrite)
- B. Fasiq
- C. One who fasts for no reason ✓ **Correct answer**
- D. One who fasts only

A. A munafiq is a hypocrite in faith; the hadith does not call such a faster a hypocrite.

B. A fasiq is an open sinner; the hadith does not use that label for such a faster.

C. The hadith says Allah has no need of the fast of one who does not give up false speech and immoral actions — such a fast is as if for no reason.

D. 'One who fasts only' does not capture the hadith — the fast is for no reason because the immoral actions continue.

Note: Note: The saying is the hadith 'Whoever does not give up false speech and acting upon it, Allah has no need of his giving up food and drink' — the fast counts for nothing.

Question 88 Pakistan Studies

The national language declared in the constitution of Pakistan in 1973 was:

- A. Hindi
- B. Urdu ✓ **Correct answer**
- C. Bengali
- D. English

A. Hindi is not Pakistan's national language.

B. The 1973 Constitution declares Urdu the national language of Pakistan.

C. Bengali is not Pakistan's national language.

the official language, not the national language.

Question 89 Pakistan Studies

The All-India Muslim League was established on the 30th of December, 1906. Its headquarters were in:

- A. Dhaka
- B. Aligarh ✓ **Correct answer**
- C. Delhi
- D. Calcutta

A. Dhaka is where the League was founded, not where its headquarters sat.

B. The All-India Muslim League's headquarters were first at Aligarh (1906–1910), before moving to Lucknow (1910–1947).

C. Delhi was never the League's headquarters.

D. Calcutta was never the League's headquarters.

Note: Note: The League was founded in Dhaka on 30 December 1906; its headquarters sat at Aligarh for its first four years (1906–1910) and then at Lucknow for the following 37 years — Lucknow is not among the options, and Aligarh is the correct answer for the founding period.

Question 90 Pakistan Studies

Governor General Ghulam Muhammad dissolved the first Constituent Assembly of Pakistan on:

- A. 24th Oct 1954 ✓ **Correct answer**
- B. 8th Oct 1954
- C. 28th Oct 1954
- D. 22nd Oct 1954

General Ghulam Muhammad dissolved the first Constituent Assembly on 24 October 1954.

B. 8 October 1954 is not the date of the dissolution.

C. 28 October 1954 is not the date of the dissolution.

D. 22 October 1954 is not the date of the dissolution.

Question 91 Computer

A network of computers spread across the world is called:

- A. Intranet
- B. Internet ✓ **Correct answer**
- C. LAN
- D. Wi-fi

A. An intranet is a private network within an organisation, not worldwide.

B. A network of computers spread across the world is the Internet.

C. A LAN is a local network, not worldwide.

D. Wi-Fi is a wireless connection method, not the worldwide network.

Question 92 Computer

Which of the following protocols is used for secure web browsing ?

- A. HTTP
- B. FTP
- C. HTTPS ✓ **Correct answer**
- D. SSH

A. HTTP is not secure — HTTPS adds encryption.

file transfer, not secure web browsing.

C. HTTPS (HyperText Transfer Protocol Secure) is used for secure web browsing.

D. SSH is for secure shell access, not web browsing.

Question 93 Computer

In which memory location is the operating system loaded at the time of booting?

- A. RAM ✓ **Correct answer**
- B. ROM
- C. Cache
- D. Natural memory

A. At booting, the operating system is loaded into RAM (main memory).

B. ROM holds the boot program, but the operating system is loaded into RAM.

C. Cache is small fast memory, not where the operating system is loaded.

D. There is no 'natural memory' in a computer.

Question 94 Computer

Which of the following is the fifth layer of the OSI model ?

- A. Application
- B. Session ✓ **Correct answer**
- C. Transport
- D. Network

A. Application is the seventh layer, not the fifth.

B. The fifth layer of the OSI model is the Session layer (1 Physical, 2 Data Link, 3 Network, 4 Transport, 5 Session, 6 Presentation, 7 Application).

is the fourth layer, not the fifth.

D. Network is the third layer, not the fifth.

Question 95 Computer

In binary representation, what is the decimal equivalent of 1011 ?

- A. 10
- B. 11 ✓ **Correct answer**
- C. 12
- D. 13

A. 10 in decimal is 1010 in binary, not 1011.

B. 1011 in binary = 8 + 2 + 1 = 11 in decimal.

C. 12 in decimal is 1100 in binary, not 1011.

D. 13 in decimal is 1101 in binary, not 1011.

Question 96 Computer

Which number system is usually followed in a typical 32-bit computer ?

- A. Binary ✓ **Correct answer**
- B. Decimal
- C. Hexadecimal
- D. Octal

A. A typical 32-bit computer follows the binary number system.

B. Decimal is not the computer's internal number system.

C. Hexadecimal is a shorthand for binary, not the system the computer follows.

D. Octal is a shorthand for binary, not the system the computer follows.

97 Computer

The binary equivalent of decimal 13 is:

- A. 1010
- B. 1101 ✓ **Correct answer**
- C. 1110
- D. 1001

A. 1010 is 10 in decimal, not 13.

B. 13 in decimal = 8 + 4 + 1 = 1101 in binary.

C. 1110 is 14 in decimal, not 13.

D. 1001 is 9 in decimal, not 13.

Question 98 Computer

Which of the following types of software helps a computer run smoothly?

- A. System software ✓ **Correct answer**
- B. Utility software
- C. Application software
- D. Antivirus software

A. System software (the operating system and its support programs) runs the computer and keeps it working smoothly.

B. Utility software is a kind of system software — see the note.

C. Application software serves the user, it does not run the computer.

D. Antivirus software is one utility; it is not the general answer.

Note: Note: Utility software (antivirus, disk cleanup) also helps a computer run smoothly, but it is a kind of system software; A is the broad category the stem asks for.

99 Computer

What is the primary purpose of an operating system?

- A. To store files permanently
- B. To run application software ✓ **Correct answer**
- C. To connect the CPU with the monitor
- D. To make the computer look attractive

A. Storing files permanently is the disk's job, not the operating system's primary purpose.

B. The operating system's primary purpose is to run application software (managing hardware so programs can run).

C. Connecting the CPU with the monitor is a hardware matter, not the operating system's primary purpose.

D. Making the computer look attractive is not the operating system's purpose.

Question 100 Computer

Which unit in the CPU controls the flow of instructions and data ?

- A. Arithmetic Logic Unit
- B. Control Unit ✓ **Correct answer**
- C. Memory Unit
- D. Input Unit

A. The Arithmetic Logic Unit performs calculations; it does not control the flow.

B. The Control Unit controls the flow of instructions and data in the CPU.

C. The Memory Unit stores data; it does not control the flow.

D. The Input Unit takes data in; it does not control the flow.

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