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 — **98 solved and verified**, 2 excluded as defective (Q28, Q29) · **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: 21-06-2025' (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/ . (The sainazeemtech link label reads 01-07-2025; the PDF's own title page reads 21-06-2025, which is the authority — see the sourcing log, Wave 161d 37ahe date correction.) Every printed key was verified independently (own knowledge + targeted sources for the doubtful items) under the owner's 8 Nov 2026 standard. 3 printed-key corrections are filed openly with evidence (Q26: D to B — 'have decide' must be 'have decided'; Q39: D to B — an indirect question takes a full stop, not a colon; Q88: D to C — Pakistan's longest border is with India, 3,323 km, not Afghanistan, 2,670 km). 5 PICK-ONE (Q1, Q13, Q16, Q17, Q87) and 2 DEFECTIVE-excluded (Q28, Q29 — both sentences are grammatical as printed; the printed keys mark no error), 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.

1 English

The similar meaning of the word ARCHITECTURE is:

- A. Infrastructure ✓ **Correct answer**
- B. Indiscipline
- C. Intense
- D. Structure less

A. Architecture is the design of buildings and structures; among the options 'Infrastructure' (the underlying physical structures) is the intended synonym.

B. Indiscipline means lack of discipline; it is not a synonym of architecture.

C. Intense means strong; it is not a synonym of architecture.

D. 'Structure less' means without structure — the opposite of architecture.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): strictly, architecture is the art of designing buildings, not infrastructure; 'Infrastructure' is kept as the printed key and the intended answer because it is the only option in the same field.

Question 2 English

The similar meaning of the word BAKE is:

- A. Cool
- B. Bore
- C. Cook ✓ **Correct answer**
- D. Mild

A. Cool is the opposite of bake.

B. Bore means to make a hole or to weary; it is not a synonym of bake.

C. Bake means to cook (in an oven) — 'Cook' is the synonym.

ns gentle, it is not a synonym of bake.

Question 3 English

The similar meaning of the word ADVANCE is:

- A. Descend
- B. Fall
- C. Recede
- D. Progress ✓ **Correct answer**

A. Descend is the opposite of advance.

B. Fall is the opposite of advance.

C. Recede is the opposite of advance.

D. Advance means to move forward — 'Progress' is the synonym.

Question 4 English

The opposite meaning of the word PROTECT is:

- A. Attack ✓ **Correct answer**
- B. Guard
- C. Cover for
- D. Safeguard

A. Protect means to keep safe; its opposite is to 'Attack'.

B. Guard is a synonym of protect, not its opposite.

C. 'Cover for' is a synonym of protect, not its opposite.

D. Safeguard is a synonym of protect, not its opposite.

5 English

The opposite meaning of the word FLOOD is:

- A. Fill up
- B. Deluge
- C. Cover
- D. Empty ✓ **Correct answer**

A. 'Fill up' is a synonym of flood, not its opposite.

B. Deluge is a synonym of flood, not its opposite.

C. Cover is a synonym of flood (to cover with water), not its opposite.

D. Flood means a great overflow of water; its opposite is to 'Empty' (drain away).

Question 6 English

The opposite meaning of the word INVADER is:

- A. Assailant
- B. Defender ✓ **Correct answer**
- C. Occupier
- D. Raider

A. Assailant is a synonym of invader, not its opposite.

B. An invader attacks and occupies; its opposite is a 'Defender'.

C. Occupier is a synonym of invader, not its opposite.

D. Raider is a synonym of invader, not its opposite.

7 English

The most important features of the Indus Valley civilization are town planning and architecture.

- A. Architecture ✓ **Correct answer**
- B. Building
- C. Cities
- D. Towns

A. The passage states the most important features of the Indus Valley civilization are town planning and architecture — 'Architecture' is the word.

B. The passage says 'town planning and architecture', not 'town planning and building'.

C. The passage says the features are town planning and architecture, not 'cities'.

D. The passage says the features are town planning and architecture, not 'towns'.

Question 8 English

Each city was planned in a pattern of:

- A. Bricks
- B. Town
- C. Roads
- D. Grid ✓ **Correct answer**

A. The passage says the pattern is a grid, not bricks.

B. The passage says the pattern is a grid, not 'town'.

C. The passage says the pattern is a grid, formed by roads — the pattern itself is the grid.

D. The passage says each city was planned in a grid-like pattern — 'Grid' is the pattern.

9 English

The grid had straight roads, running from North to South and:

- A. West to East
- B. East to West ✓ **Correct answer**
- C. West to North
- D. East to East

A. The passage says East to West, not West to East.

B. The passage says the grid had straight roads running from North to South and East to West — 'East to West' is the direction.

C. The passage says East to West, not West to North.

D. The passage says East to West, not East to East.

Question 10 English

The main streets were ten (10) meters wide enough to pass by:

- A. Two bullocks
- B. Two carts
- C. Two bullock carts ✓ **Correct answer**
- D. Bullock carts

A. The passage says two bullock carts, not two bullocks.

B. The passage says two bullock carts, not two carts.

C. The passage says the main streets were ten metres wide so two bullock carts could pass by each other — 'Two bullock carts' is the answer.

D. The passage says two bullock carts, not bullock carts in general.

11 English

The synonym of the word TRASH is:

- A. Assets
- B. Rubbish ✓ **Correct answer**
- C. Valuable
- D. Rare

A. Assets are valuable things — the opposite of trash.

B. Trash means waste — 'Rubbish' is the synonym.

C. Valuable is the opposite of trash.

D. Rare means uncommon; it is not a synonym of trash.

Question 12 English

The synonym of the word ENTHUSIASTIC is:

- A. Cold
- B. Interested ✓ **Correct answer**
- C. Dull
- D. Weak

A. Cold is the opposite of enthusiastic.

B. Enthusiastic means eager and interested — 'Interested' is the synonym.

C. Dull is the opposite of enthusiastic.

D. Weak is the opposite of enthusiastic.

Question 13 English

The synonym of the word CURIOSITY is:

- B. Concern ✓ **Correct answer**
- C. Casualness
- D. Norm

A. Apathy is the opposite of curiosity.

B. Curiosity is the desire to know; among the options 'Concern' (interest) is the intended synonym.

C. Casualness means not caring; it is not a synonym of curiosity.

D. Norm means a standard; it is not a synonym of curiosity.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): strictly, curiosity is inquisitiveness — the desire to learn; 'Concern' is kept as the printed key and the intended answer because it is the only option in the field of interest.

Question 14 English

The synonym of the word COMPANION is:

- A. Antagonist
- B. Foe
- C. Mate ✓ **Correct answer**
- D. Enemy

A. Antagonist is the opposite of companion.

B. Foe is the opposite of companion.

C. A companion is a friend who goes with you — 'Mate' is the synonym.

D. Enemy is the opposite of companion.

15 English

The synonym of the word DISGUISE is:

- A. Character
- B. Honesty
- C. Reality
- D. Covering ✓ **Correct answer**

A. Character means a person's nature; it is not a synonym of disguise.

B. Honesty is the opposite of disguise.

C. Reality is the opposite of disguise.

D. Disguise means a covering that hides who you are — 'Covering' is the synonym.

Question 16 English

The antonym of the word FAMOUS is:

- A. Common ✓ **Correct answer**
- B. Excellent
- C. Glorious
- D. Grand

A. Famous means well known; among the options 'Common' (ordinary, not famous) is the intended opposite.

B. Excellent is a near-synonym of famous, not its opposite.

C. Glorious is a near-synonym of famous, not its opposite.

D. Grand is a near-synonym of famous, not its opposite.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): the direct antonym of 'famous' is 'unknown' or 'obscure', which is not among the options;

kept as the printed key and the intended answer.

Question 17 English

The antonym of the word NIGHTMARE is:

- A. Dream ✓ **Correct answer**
- B. Horror
- C. Vision
- D. Pleasure

A. A nightmare is a bad dream; among the options 'Dream' (an ordinary, pleasant dream) is the intended opposite.

B. Horror is a synonym of nightmare, not its opposite.

C. Vision is a sight or dream-like image, not the opposite of nightmare.

D. Pleasure is also an opposite of a nightmare — see the note.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): strictly, the opposite is a pleasant dream; 'Dream' is kept as the printed key and the intended answer. 'Pleasure' is also defensible, but 'Dream' is the direct contrast to a nightmare.

Question 18 English

The antonym of the word RENOWNED is:

- A. Famous
- B. Esteemed
- C. Inferior ✓ **Correct answer**
- D. Great

A. Famous is a synonym of renowned, not its opposite.

is a synonym of renowned, not its opposite.

C. Renowned means famous and respected; its opposite is 'Inferior' (low in standing).

D. Great is a synonym of renowned, not its opposite.

Question 19 English

The antonym of the word COMMENCES is:

- A. Progresses
- B. Begins
- C. Ends ✓ **Correct answer**
- D. Launches

A. Progresses is a synonym of commences (to move forward), not its opposite.

B. Begins is a synonym of commences, not its opposite.

C. Commences means begins; its opposite is 'Ends'.

D. Launches is a synonym of commences, not its opposite.

Question 20 English

The antonym of the word REPAIR is:

- A. Fixing
- B. Damage ✓ **Correct answer**
- C. Injury
- D. Wrecking

A. Fixing is a synonym of repair, not its opposite.

B. Repair means to mend; its opposite is to 'Damage'.

C. Injury is harm to a person, not the opposite of repair.

is also an opposite of repair, but 'Damage' is the direct one.

Question 21 English

Select the correct spelt word:

- A. Experience ✓ **Correct answer**
- B. Expeirnce
- C. Expierience
- D. Experince

A. The correct spelling is E-X-P-E-R-I-E-N-C-E — 'Experience'.

B. Misspelt: 'ei' for 'er'.

C. Misspelt: 'ie' for 'e'.

D. Misspelt: missing the 'ie'.

Question 22 English

Select the correct spelt word:

- A. Describe ✓ **Correct answer**
- B. Discribe
- C. Desecbe
- D. Deseriebe

A. The correct spelling is D-E-S-C-R-I-B-E — 'Describe'.

B. Misspelt: 'is' for 'es'.

C. Misspelt: 'ec' for 'cr'.

D. Misspelt: 'er' for 'cr'.

23 English

Select the correct spelt word:

- A. Glamorus
- B. Glamorous ✓ **Correct answer**
- C. Glamoros
- D. Glamuoros

A. Misspelt: missing the 'ou'.

B. The correct spelling is G-L-A-M-O-R-O-U-S — 'Glamorous'.

C. Misspelt: 'o' for 'ou'.

D. Misspelt: 'uo' for 'ou'.

Question 24 English

Select the correct spelt word:

- A. Treditions
- B. Traditions ✓ **Correct answer**
- C. Tradetions
- D. Tradisions

A. Misspelt: 'e' for 'a'.

B. The correct spelling is T-R-A-D-I-T-I-O-N-S — 'Traditions'.

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

D. Misspelt: 's' for 't'.

Question 25 English

Select the correct spelt word:

noon ✓ **Correct answer**

- B. Abendon
- C. Abundon
- D. Abandan

A. The correct spelling is A-B-A-N-D-O-N — 'Abandon'.

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

C. Misspelt: 'u' for 'a'.

D. Misspelt: 'a' for 'o'.

Question 26 English

Ali and Abdullah have decide to go to the nearby park.(Find the error)

- A. and
- B. decide ✓ **Correct answer**
- C. go to
- D. nearby

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

B. 'Have' needs the past participle 'decided', not 'decide' — the error is 'decide'.

C. 'go to' is correct; there is no error in it.

D. 'nearby' is correct — it is the printed key and it is wrong.

Note: Note: PRINTED-KEY CORRECTION — D to B (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key D ('nearby') is wrong — 'nearby' correctly modifies 'park'; the error is 'have decide', which must be 'have decided'.

27 English

This shirt is yours and that is my. (Find the error)

- A. is
- B. yours
- C. is
- D. my ✓ **Correct answer**

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

B. 'yours' is the correct possessive pronoun; there is no error in it.

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

D. 'That is my' must be 'that is mine' — the possessive pronoun 'mine' is needed; the error is 'my'.

Question 28 English

On weekends, they usually went to the nearby canal for fishing. (Find the error)

- A. weekends
- B. usually
- C. nearby
- D. for

No answer is given for this question, and none is taught. DEFECTIVE — excluded (DEFECTIVE-excluded)

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

B. 'usually' is correct with the past tense for a past habit; it is the printed key and it is wrong.

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

rect, there is no error in it. DEFECTIVE (decided by the assistant under the owner's 8 Nov 2026 delegation): DEFECTIVE-excluded: The sentence is grammatical as printed — 'On weekends, they usually went to the nearby canal for fishing' uses 'usually' correctly with the past tense to describe a past habit. The printed key B ('usually') is not an error, and no other option is one either. No answer is verifiable. No answer is asserted. Decided by the assistant under the owner's 8 Nov 2026 delegation.

Question 29 English

I have always looked for ways to get things done in time.(Find the error)

- A. I
- B. always
- C. looked
- D. to get

No answer is given for this question, and none is taught. DEFECTIVE — excluded (DEFECTIVE-excluded)

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

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

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

D. 'to get' is correct; it is the printed key and it is wrong. DEFECTIVE (decided by the assistant under the owner's 8 Nov 2026 delegation): DEFECTIVE-excluded: The sentence is grammatical as printed — 'looked for ways to get things done in time' is correct English ('in time' means before the deadline). The printed key D ('to get') is not an error, and no other option is one either. No answer is verifiable. No answer is asserted. Decided by the assistant under the owner's 8 Nov 2026 delegation.

Question 30 English

We should treat the young and old with kindment. (Find the error)

- B. young
- C. with
- D. kindment ✓ **Correct answer**

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

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

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

D. 'Kindment' is not a word — the noun is 'kindness'; the error is 'kindment'.

Question 31 English

As responsible citizens, we shouldn’t draw _____ the walls _____ the park.

- A. on, of ✓ **Correct answer**
- B. at, on
- C. in, of
- D. of, on

A. We draw 'on' the walls 'of' the park — 'on, of' is the pair.

B. 'at, on' — we draw 'on' walls, not 'at' them; and the park takes 'of'.

C. 'in, of' — we draw 'on' walls, not 'in' them.

D. 'of, on' — the order is wrong: 'on' the walls 'of' the park.

Question 32 English

There was a pin-drop silence _____ the classroom.

- A. on
- B. in ✓ **Correct answer**
- C. at

A. 'on the classroom' is not correct here.

B. Silence filled the classroom — 'in' the classroom.

C. 'at the classroom' is not correct for silence inside it.

D. 'to the classroom' is not correct here.

Question 33 English

Salar was a kind and helpful boy _____ nature.

- A. in
- B. on
- C. by ✓ **Correct answer**
- D. to

A. 'in nature' means in the natural world, not as a character trait.

B. 'on nature' is not the idiom.

C. 'By nature' is the idiom — kind and helpful 'by nature'.

D. 'to nature' is not the idiom.

Question 34 English

One of the most remarkable deserts _____ the world is the Sahara Desert.

- A. of
- B. to
- C. on
- D. in ✓ **Correct answer**

A. 'of the world' would follow a noun like 'deserts of the world', not here.

rld" is not correct here.

C. 'on the world' is not correct here.

D. 'One of the most remarkable deserts in the world' — 'in' is the preposition.

Question 35 English

His window seat _____ the train was very uncomfortable.

- A. in
- B. on ✓ **Correct answer**
- C. of
- D. from

A. 'in the train' is possible, but the idiom for a seat is 'on the train'.

B. A seat 'on' the train — 'on' is the preposition.

C. 'of the train' would describe the seat's owner, not where it is.

D. 'from the train' is not correct here.

Question 36 English

Select the correct subject of the following sentence: "The teacher teaches in the class."

- A. The
- B. Teacher ✓ **Correct answer**
- C. Teaches
- D. Class

A. 'The' is an article, not the subject.

B. The subject is who the sentence is about: 'Teacher' teaches in the class.

C. 'Teaches' is the verb, not the subject.

part of the adverbial phrase, not the subject.

Question 37 English

Select a present tense sentence from the following:

- A. He went to hospital
- B. He goes to the hospital ✓ **Correct answer**
- C. He will go to the hospital
- D. He has gone to the hospital

A. 'He went' is past tense, not present.

B. 'He goes to the hospital' is in the present tense (present simple) — the other options are past, future and present perfect.

C. 'He will go' is future tense, not present.

D. 'He has gone' is present perfect, not simple present.

Question 38 English

Select the correct subject of the following sentence: "Raju went back to join his team."

- A. Went
- B. Back
- C. Join
- D. Raju ✓ **Correct answer**

A. 'Went' is the verb, not the subject.

B. 'Back' is an adverb, not the subject.

C. 'Join' is a verb, not the subject.

D. The subject is who the sentence is about: 'Raju' went back to join his team.

Question 39 English

Select the correct punctuation for this sentence:

- A. He asked if I was going,
- B. He asked if I was going. ✓ **Correct answer**
- C. He asked, if I was going.
- D. He asked: if I was going.

A. 'He asked if I was going,' needs a full stop, not a comma.

B. Reported speech takes a full stop: 'He asked if I was going.' — no colon, no comma after 'asked'.

C. 'He asked, if I was going.' — no comma belongs after 'asked'.

D. 'He asked: if I was going.' — a colon does not introduce an indirect question; it is the printed key and it is wrong.

Note: Note: PRINTED-KEY CORRECTION — D to B (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key D ('He asked: if I was going.') is wrong — a colon does not introduce an indirect question; the sentence ends with a full stop.

Question 40 English

Select the proper prefix for the word ‘AGREEMENT’:

- A. Un
- B. Dis ✓ **Correct answer**
- C. Mis
- D. Re

A. 'Unagreement' is not a word.

B. 'Disagreement' is the word — the prefix 'Dis' goes before 'agreement'.

C. 'Misagreement' is not a word.

nent' is not a word.

Question 41 Mathematics

The symbol ∩ represents:

- A. Union of sets
- B. Difference of sets
- C. Intersection of sets ✓ **Correct answer**
- D. Complement of a set

A. ∪ is the symbol for the union of sets, not ∩.

B. The difference of sets is written A − B, not ∩.

C. ∩ is the symbol for the intersection of sets.

D. The complement of a set is written A', not ∩.

Question 42 Mathematics

Select the following numbers that are exactly divisible by 5:

- A. 24567
- B. 230590 ✓ **Correct answer**
- C. 10004
- D. 55556

A. 24,567 ends in 7, so it is not divisible by 5.

B. A number is exactly divisible by 5 if it ends in 0 or 5 — 230,590 ends in 0.

C. 10,004 ends in 4, so it is not divisible by 5.

D. 55,556 ends in 6, so it is not divisible by 5.

43 Mathematics

The correct order for operations in BODMAS:

- A. Addition, Multiplication, Division, Brackets, Subtraction, Order
- B. Brackets, Order, Division, Multiplication, Addition, Subtraction ✓ **Correct answer**
- C. Brackets, Order, Multiplication, Division, Addition, Subtraction
- D. Brackets, Division, Order, Multiplication, Addition, Subtraction

A. Addition first is not the BODMAS order.

B. BODMAS: Brackets, Order, Division, Multiplication, Addition, Subtraction.

C. Multiplication before Division is not the standard BODMAS order (Division comes first).

D. Division before Order is not the BODMAS order.

Question 44 Mathematics

Choose a real number from the following:

- A. √-4
- B. 5/2 ✓ **Correct answer**
- C. 1/0
- D. 3=2

A. $\sqrt{-4}$ is an imaginary number, not a real number.

B. 5/2 = 2.5 is a real number; $\sqrt{-4}$ is imaginary, 1/0 is undefined, and 3 = 2 is false.

C. 1/0 is undefined, not a real number.

D. '3 = 2' is a false statement, not a number.

Question 45 Mathematics

The correct definition of a set of natural numbers is:

positive integers excluding zero ✓ **Correct answer**

- B. All positive integers including zero
- C. All integers
- D. All real numbers

A. Natural numbers are the positive integers 1, 2, 3, … — excluding zero.

B. Including zero gives the whole numbers, not the natural numbers.

C. All integers includes negatives and zero — not the natural numbers.

D. All real numbers includes fractions and negatives — not the natural numbers.

Question 46 Mathematics

If A = {a, b, c} and B = {a, b, c, d, e} then:

- A. A = B
- B. A∼B
- C. A⊂B ✓ **Correct answer**
- D. B⊂A

A. A ≠ B — B has two extra elements.

B. A ∼ B would mean the sets are equivalent (same number of elements); A has 3, B has 5.

C. Every element of A = {a, b, c} is in B = {a, b, c, d, e}, so A ⊂ B (A is a subset of B).

D. B ⊄ A — B has elements not in A.

Question 47 Mathematics

If X = {3, 4, 5, 6} and Y = {1, 2, 3, 8} then X ∪ Y is:

- A. {1, 2, 3, 4, 5, 6}
- B. {1, 2, 3, 4, 8}
- C. {3}

2, 3, 4, 5, 6, 8} ✓ Correct answer

A. {1, 2, 3, 4, 5, 6} omits 8, which is in Y.

B. {1, 2, 3, 4, 8} omits 5 and 6, which are in X.

C. {3} is the intersection X ∩ Y, not the union.

D. X ∪ Y = {1, 2, 3, 4, 5, 6, 8} — all elements of X and Y together, each once.

Question 48 Mathematics

If U = {1, 2, 3, 4, 5, 6, 7, 8} and B = {2, 4, 6, 8}, B' is:

- A. {1, 2}
- B. { }
- C. {1, 3, 5, 7} ✓ **Correct answer**
- D. {2, 4, 6, 8}

A. {1, 2} includes 2, which is in B, and omits 3, 5, 7.

B. { } is the empty set, not the complement of B.

C. B' is everything in U not in B: U = {1..8} minus {2, 4, 6, 8} = {1, 3, 5, 7}.

D. {2, 4, 6, 8} is B itself, not its complement.

Question 49 Mathematics

The decimal fraction 4/18 is:

- A. 0.333...
- B. 0.222... ✓ **Correct answer**
- C. 0.444...
- D. 0.555...

A. 0.333... is 1/3, not 4/18.

$= 0.222\ldots$

C. 0.444... is 4/9, not 4/18.

D. 0.555... is 5/9, not 4/18.

Question 50 Mathematics

Tabular form of A = {x|x = ε Z ∧ x^2} = 25 is:

- A. {1, 3}
- B. {-5, 5} ✓ **Correct answer**
- C. {1, 5, 25}
- D. {-5}

A. {1, 3} — neither 1^2 nor 3^2 is 25.

B. $\{x \mid x \in Z \wedge x^2 = 25\}$ is the set of integers whose square is 25: -5 and 5.

C. {1, 5, 25} includes 1 and 25, whose squares are not 25.

D. $\{-5\}$ omits 5, whose square is also 25.

Question 51 Mathematics

If two is added to the greatest five-digit number, the number will be:

- A. 1 less than the greatest six-digit number
- B. 1 less than the smallest six-digit number
- C. 1 more than the greatest six-digit number
- D. 1 more than the smallest six-digit number ✓ **Correct answer**

A. 100,001 is 1 more than 100,000, not 1 less than the greatest six-digit number (999,999).

B. 100,001 is 1 more than 100,000, not 1 less than it.

C. 100,001 is 1 more than the smallest six-digit number, not the greatest.

est five-digit number is 99,999, adding 2 gives 100,001, which is 1 more than the smallest six-digit number (100,000).

Question 52 Mathematics

The statement that defines irrational numbers is:

- A. Non-terminating and non-recurring ✓ **Correct answer**
- B. Non-terminating but recurring
- C. Terminating but non-recurring
- D. Terminating and recurring

A. Irrational numbers have non-terminating, non-recurring decimal expansions.

B. Non-terminating but recurring decimals are rational, not irrational.

C. Terminating decimals are rational, not irrational.

D. Terminating and recurring decimals are rational, not irrational.

Question 53 Mathematics

The reasoning in which we generalized the statement is known as:

- A. Inductive reasoning ✓ **Correct answer**
- B. Conversion reasoning
- C. Deductive reasoning
- D. Quantitative reasoning

A. Generalising from examples to a general statement is inductive reasoning.

B. There is no 'conversion reasoning' here.

C. Deductive reasoning goes from general to particular, not from examples to a general statement.

D. Quantitative reasoning is about numbers, not about generalising a statement.

54 Mathematics

If AUB=A, then we can interpret this as:

- A. A⊂B
- B. A∩B=A
- C. A∩B=B ✓ **Correct answer**
- D. B⊃A

A. A ⊂ B would give A ∪ B = B, not A.

B. A ∩ B = A would mean A ⊆ B, the reverse of what A ∪ B = A gives.

C. A ∪ B = A means B ⊆ A, so A ∩ B = B.

D. B ⊃ A would mean A ⊆ B, the reverse of what A ∪ B = A gives.

Question 55 Mathematics

Three or more points lies on the same straight line are known as:

- A. Collinear points ✓ **Correct answer**
- B. Non-collinear points
- C. Intersection points
- D. Meeting points

A. Points lying on the same straight line are collinear points.

B. Non-collinear points do not lie on the same line.

C. Intersection points are where lines cross, not points on one line.

D. 'Meeting points' is not the term for points on one line.

Question 56 Mathematics

15 is 20% of:

- B. 75 ✓ **Correct answer**
- C. 90
- D. 105

A. 20% of 60 is 12, not 15.

B. 15 = 20% of 75 (0.20 × 75 = 15).

C. 20% of 90 is 18, not 15.

D. 20% of 105 is 21, not 15.

Question 57 Mathematics

The temperature of a hilly mountainous area is -3 °C. After a few hours, it will drop down by 4 °C. Then the temperature will be:

- A. -1
- B. 1
- C. 7
- D. -7 ✓ **Correct answer**

A. −1 would be −3 + 2, not −3 − 4.

B. 1 is not −3 − 4.

C. 7 is the positive sum, not the temperature after a drop.

D. −3 °C dropping by 4 °C gives −3 − 4 = −7 °C.

Question 58 Mathematics

Decimal number 139 will be written in binary numbers as:

- A. 10001011 ✓ **Correct answer**
- B. 10010111

01101

- D. 10011001

A. 139 = 128 + 8 + 2 + 1, so in binary it is 10001011.

B. 10010111 is 151, not 139.

C. 10001101 is 141, not 139.

D. 10011001 is 153, not 139.

Question 59 Mathematics

If six people dig a well 200m deep in 15 days, the number of people required to dig the same well in 18 days is:

- A. 5 ✓ **Correct answer**
- B. 15
- C. 25
- D. 45

A. Six people × 15 days = 90 man-days; in 18 days the same well needs 90 ÷ 18 = 5 people.

B. 15 people would dig the well in 6 days, not 18.

C. 25 people would dig the well in 3.6 days, not 18.

D. 45 people would dig the well in 2 days, not 18.

Question 60 Mathematics

Sana’s school is 9m in the north, and the market is 12m in the east of her home. The distance between the school and the market is:

- A. 3
- B. 10
- C. 15 ✓ **Correct answer**

A. 3 m is 12 − 9, not the straight-line distance.

B. 10 m is not $\sqrt{(9^2 + 12^2)}$.

C. The school (9 m north) and the market (12 m east) form a right triangle with the home: distance = $\sqrt{(9^2 + 12^2)} = \sqrt{225} = 15$ m.

D. 21 m is 9 + 12, the path via home, not the straight-line distance.

Question 61 Pakistan Studies

The current Prime Minister of Pakistan is:

- A. Imran Khan
- B. Shahbaz Sharif ✓ **Correct answer**
- C. Bilawal Bhutto Zardari
- D. Nawaz Sharif

A. Imran Khan was Prime Minister until April 2022, not the current one.

B. Shahbaz Sharif is the Prime Minister of Pakistan (in office since March 2024).

C. Bilawal Bhutto Zardari is a former Foreign Minister, not the Prime Minister.

D. Nawaz Sharif was Prime Minister earlier, not the current one.

Question 62 Pakistan Studies

The name of the largest desert in Pakistan is:

- A. Thar Desert ✓ **Correct answer**
- B. Cholistan Desert
- C. Kharan Desert
- D. Thall Desert

Desert is the largest desert in Pakistan.

B. The Cholistan Desert is smaller than the Thar.

C. The Kharan Desert is smaller than the Thar.

D. The Thall Desert is smaller than the Thar.

Question 63 Pakistan Studies

The river known as the lifeline of Pakistan is:

- A. Ravi River
- B. Jhelum River
- C. Chenab River
- D. Indus River ✓ **Correct answer**

A. The Ravi is a tributary, not the lifeline of Pakistan.

B. The Jhelum is a tributary, not the lifeline of Pakistan.

C. The Chenab is a tributary, not the lifeline of Pakistan.

D. The Indus River is called the lifeline of Pakistan — it waters the country's agriculture.

Question 64 Pakistan Studies

The name of Pakistan’s space agency is:

- A. NASA
- B. ISRO
- C. SUPARCO ✓ **Correct answer**
- D. ESA

A. NASA is the space agency of the United States.

B. ISRO is the space agency of India.

(Space and Upper Atmosphere Research Commission) is Pakistan's space agency.

D. ESA is the European Space Agency.

Question 65 Pakistan Studies

The white colour in Pakistan’s flag represents:

- A. Peace and minorities ✓ **Correct answer**
- B. Prosperity
- C. Agriculture
- D. Strength

A. The white in Pakistan's flag represents peace and the religious minorities.

B. Prosperity is not what the white represents.

C. Agriculture is not what the white represents.

D. Strength is not what the white represents.

Question 66 Pakistan Studies

Lahore is called the Heart of Pakistan because:

- A. It is the largest city
- B. It is the capital
- C. It is the cultural and historical centre ✓ **Correct answer**
- D. It is the financial hub

A. Lahore is not the largest city — Karachi is.

B. Lahore is not the capital — Islamabad is.

C. Lahore is called the Heart of Pakistan because it is the cultural and historical centre of the country.

not the financial hub — Karachi is.

Question 67 Pakistan Studies

The importance of the Indus River in Pakistan is because:

- A. It is the longest river in the world
- B. It flows through all provinces
- C. It is a tourist attraction
- D. It is the primary source of water for agriculture ✓ **Correct answer**

A. The Indus is not the longest river in the world — the Nile is.

B. The Indus does not flow through all provinces.

C. Tourism is not the Indus's main importance for Pakistan.

D. The Indus is Pakistan's primary source of water for agriculture (the Indus irrigation system).

Question 68 Pakistan Studies

The purpose of the Lahore Resolution of 1940 was:

- A. To demand a separate homeland for Muslims ✓ **Correct answer**
- B. To establish a democratic government
- C. To unite India and Pakistan
- D. To get independence from Britain

A. The Lahore Resolution of 1940 demanded a separate homeland for the Muslims of India.

B. Establishing a democratic government was not the Resolution's purpose.

C. The Resolution sought separation, not the union of India and Pakistan.

D. Independence from Britain was the later aim; the Resolution demanded a separate

Question 69 General Knowledge

The largest continent in the world by population and area is:

- A. Europe
- B. Asia ✓ **Correct answer**
- C. Africa
- D. North America

A. Europe is smaller than Asia in both area and population.

B. Asia is the largest continent by both population and area.

C. Africa is smaller than Asia in both area and population.

D. North America is smaller than Asia in both area and population.

Question 70 General Knowledge

The longest river in the world is:

- A. Amazon River
- B. Yangtze River
- C. Nile River ✓ **Correct answer**
- D. Mississippi River

A. The Amazon carries more water but is shorter than the Nile.

B. The Yangtze is shorter than the Nile.

C. The Nile is the longest river in the world (about 6,650 km).

D. The Mississippi is shorter than the Nile.

71 General Knowledge

The smallest country in the world by land area is:

- A. Monaco
- B. Brunei
- C. Austria
- D. Vatican City ✓ **Correct answer**

A. Monaco is the second smallest, not the smallest.

B. Brunei is much larger than Vatican City.

C. Austria is much larger than Vatican City.

D. Vatican City is the smallest country in the world by land area (about 0.44 km^2).

Question 72 General Knowledge

The largest desert in the world is:

- A. Sahara Desert ✓ **Correct answer**
- B. Gobi Desert
- C. Kalahari Desert
- D. Atacama Desert

A. The Sahara is the largest hot desert in the world.

B. The Gobi is smaller than the Sahara.

C. The Kalahari is smaller than the Sahara.

D. The Atacama is smaller than the Sahara.

Question 73 Geography

Some countries experience more earthquakes than others because:

- B. They have more mountains
- C. They are located near tectonic plate boundaries ✓ **Correct answer**
- D. They have larger landmasses

A. Distance from the Equator does not cause earthquakes.

B. Mountains alone do not cause earthquakes — plate boundaries do.

C. Countries near tectonic plate boundaries experience more earthquakes.

D. Landmass size does not cause earthquakes.

Question 74 Geography

The main purpose of the Great Wall of China was to:

- A. Trade route protection
- B. Defense against invasions ✓ **Correct answer**
- C. Cultural significance
- D. Navigation guide

A. Protecting trade routes was secondary; defence was the main purpose.

B. The Great Wall of China was built for defence against invasions from the north.

C. Cultural significance is not why the Wall was built.

D. The Wall was not built as a navigation guide.

Question 75 General Knowledge

The United Nations (UN) was formed after World War II because:

- A. To increase military power
- B. To expand world trade
- C. To prevent future wars and promote peace ✓ **Correct answer**

divide territories

A. Increasing military power was not the UN's purpose.

B. Expanding world trade was not the UN's purpose.

C. The United Nations was formed after World War II to prevent future wars and promote peace.

D. Dividing territories was not the UN's purpose.

Question 76 Biology

Amoeba is a/an:

- A. Unicellular organism ✓ **Correct answer**
- B. Multicellular organism
- C. Photosynthetic organism
- D. Non-living organism

A. An amoeba is a single-celled (unicellular) organism.

B. An amoeba has one cell, not many.

C. An amoeba does not photosynthesise.

D. An amoeba is a living organism.

Question 77 Biology

Liver cells join together to form:

- A. Liver tissue ✓ **Correct answer**
- B. Liver organ
- C. Liver system
- D. Complex organism

e same kind join to form tissue — liver cells form liver tissue.

B. Tissues join to form an organ; liver cells first form liver tissue.

C. A system is made of organs, not directly of cells.

D. A complex organism is made of systems, not directly of cells.

Question 78 Biology

All of the following are parts of the digestive system except:

- A. Stomach
- B. Small intestine
- C. Heart ✓ **Correct answer**
- D. Large intestine

A. The stomach is part of the digestive system.

B. The small intestine is part of the digestive system.

C. The heart is part of the circulatory system, not the digestive system.

D. The large intestine is part of the digestive system.

Question 79 Biology

The control and coordination of the body comes under:

- A. Circulatory system
- B. Nervous system ✓ **Correct answer**
- C. Renal system
- D. Digestive system

A. The circulatory system moves blood; it does not control and coordinate the body.

B. The nervous system controls and coordinates the body.

system removes waste, it does not control and coordinate the body.

D. The digestive system digests food; it does not control and coordinate the body.

Question 80 Biology

The smallest structural and functional unit of life is:

- A. Organ
- B. Cell ✓ **Correct answer**
- C. Tissue
- D. System

A. An organ is made of tissues, not the smallest unit.

B. The cell is the smallest structural and functional unit of life.

C. A tissue is made of cells, not the smallest unit.

D. A system is made of organs, not the smallest unit.

Question 81 Biology

The Red blood cells (RBCs) lack a nucleus to:

- A. Store more nutrients
- B. Increase oxygen-carrying capacity ✓ **Correct answer**
- C. Divide quickly
- D. Fight with pathogens

A. Lacking a nucleus is not about storing nutrients.

B. Mature red blood cells have no nucleus, leaving more room for haemoglobin and increasing oxygen-carrying capacity.

C. Red blood cells do not divide.

athogens is the white blood cells' job.

Question 82 Chemistry

The atomic number of Carbon is:

- A. 8
- B. 6 ✓ **Correct answer**
- C. 7
- D. 9

A. 8 is the atomic number of oxygen.

B. Carbon has atomic number 6 (six protons).

C. 7 is the atomic number of nitrogen.

D. 9 is the atomic number of fluorine.

Question 83 Chemistry

Liquids are denser than gases due to:

- A. Large intermolecular spaces
- B. Lighter in weight
- C. Small intermolecular spaces ✓ **Correct answer**
- D. Opaque appearance

A. Large intermolecular spaces make gases less dense, not liquids denser.

B. 'Lighter in weight' does not explain density.

C. Liquids are denser than gases because their particles are closer together (small intermolecular spaces).

D. Opacity has nothing to do with density.

84 Biology

Chlorophyll is required for the process of:

- A. Respiration
- B. Photosynthesis ✓ **Correct answer**
- C. Filtration
- D. Osmosis

A. Chlorophyll is not required for respiration.

B. Chlorophyll is the pigment required for photosynthesis.

C. Chlorophyll is not required for filtration.

D. Chlorophyll is not required for osmosis.

Question 85 Biology

The plants that grow best in the soil with low water quantity are:

- A. Mesophytes
- B. Xerophytes ✓ **Correct answer**
- C. Halophytes
- D. Hydrophytes

A. Mesophytes grow in moderate water, not low water.

B. Xerophytes are plants adapted to dry conditions with little water.

C. Halophytes grow in salty soil, not low-water soil.

D. Hydrophytes grow in water, not in low-water soil.

Question 86 Islamiat

‘Nashrah’ means:

- B. To listen
- C. To dictate
- D. To open ✓ **Correct answer**

A. 'To write' is not what Nashrah means.

B. 'To listen' is not what Nashrah means.

C. 'To dictate' is not what Nashrah means.

D. 'Nashrah' (from Surah Ash-Sharh, also called An-Nashrah) means to open or expand.

Question 87 Islamiat

The key purpose of worship (ibadat) apart from the expression of servitude:

- A. To abide by the law
- B. Recite the Holy Quran
- C. To show our gratitude and love for Allah
- D. To reform one’s character and ethics ✓ **Correct answer**

A. Abiding by the law is a consequence of worship, not its key purpose apart from servitude.

B. Reciting the Holy Quran is one form of worship, not its key purpose.

C. Showing gratitude and love is also a purpose of worship — see the note.

D. Worship (ibadat), besides expressing servitude, reforms one's character and ethics — the standard textbook answer.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): 'To show our gratitude and love for Allah' (C) is also a purpose of worship; D is kept as the printed key because it is the standard textbook answer for this item.

88 Pakistan Studies

Pakistan shares its longest border with the country:

- A. China
- B. Iran
- C. India ✓ **Correct answer**
- D. Afghanistan

A. The China border is 596 km, not the longest.

B. The Iran border is 959 km, not the longest.

C. Pakistan's longest border is with India (3,323 km), longer than the Afghanistan border (2,670 km).

D. The Afghanistan border is 2,670 km — long, but shorter than the India border; it is the printed key and it is wrong.

Note: Note: PRINTED-KEY CORRECTION — D to C (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key D (Afghanistan) is wrong — Pakistan's longest border is with India (3,323 km; Afghanistan 2,670 km, Iran 959 km, China 596 km, CIA World Factbook).

Question 89 Pakistan Studies

The narrow strip of land that connects Pakistan with central Asia is:

- A. Gibraltar
- B. Humor
- C. Wakhan ✓ **Correct answer**
- D. Suez Canal

A. Gibraltar is a strait/territory in Europe, not a strip connecting Pakistan with Central Asia.

B. 'Humor' is not a place.

an Corridor is the narrow strip of land connecting Pakistan with Central Asia.

D. The Suez Canal is in Egypt, not a strip connecting Pakistan with Central Asia.

Question 90 Geography

The absence of rain over a region for some time causes the land to dry and thus results in:

- A. Hurricane
- B. Flood
- C. Drought ✓ **Correct answer**
- D. Earthquake

A. A hurricane is a violent storm, not caused by absence of rain.

B. A flood is caused by excess water, the opposite of drought.

C. A long absence of rain dries the land and causes drought.

D. An earthquake is caused by tectonic movement, not by absence of rain.

Question 91 Computer

CPU is called the:

- A. Lungs of Computer
- B. Hands of Computer
- C. Heart of Computer
- D. Brain of Computer ✓ **Correct answer**

A. The CPU is not called the lungs of the computer.

B. The CPU is not called the hands of the computer.

C. The CPU is not called the heart of the computer.

s called the brain of the computer — it processes all instructions.

Question 92 Computer

Every algorithm has a:

- A. Loop Condition
- B. Start, Stop ✓ **Correct answer**
- C. Finite, Infinite Loops
- D. Sequence, Conditions

A. A loop condition is part of some algorithms, not of every algorithm.

B. Every algorithm has a start and a stop (a beginning and an end).

C. Algorithms are finite by definition — 'finite, infinite loops' is not what every algorithm has.

D. Sequence and conditions are parts of an algorithm, but 'start, stop' is the defining pair here.

Question 93 Computer

A formula in Excel always starts with a/an:

- A. Plus (+)
- B. Equal (=) ✓ **Correct answer**
- C. Divide (/)
- D. Multiply (*)

A. A formula does not start with a plus sign.

B. A formula in Excel always starts with an equal sign (=).

C. A formula does not start with a divide sign.

D. A formula does not start with a multiply sign.

94 Computer

If you go through all possible solutions, the required algorithm is:

- A. Recursive Algorithm
- B. Brute Force Algorithm ✓ **Correct answer**
- C. Searching Algorithm
- D. Sorting Algorithm

A. A recursive algorithm calls itself; it does not try every solution.

B. Trying every possible solution is the brute-force algorithm.

C. A searching algorithm finds an item; it does not try every solution.

D. A sorting algorithm orders data; it does not try every solution.

Question 95 Computer

DBMS stands for:

- A. Database Management System ✓ **Correct answer**
- B. Database Management Software
- C. Database Management Service
- D. Database Management Source

A. DBMS stands for Database Management System.

B. 'Software' is not the S in DBMS — it is 'System'.

C. 'Service' is not the S in DBMS — it is 'System'.

D. 'Source' is not the S in DBMS — it is 'System'.

Question 96 Computer

You want to add an audio/video file in an HTML document using the tag:

- B. <audio>
- C. <video>
- D. <mpl>

A. The <embed> tag embeds external content such as an audio or video file in an HTML document — it is the one tag that covers both audio and video.

B. <audio> covers audio only, not video.

C. <video> covers video only, not audio.

D. <mpl> is not an HTML tag.

Note: Note: <audio> covers audio only and <video> covers video only; <embed> is the generic tag for either, which is why it is the keyed answer here.

Question 97 Computer

Second Generation Computers use which technology:

- A. ICs
- B. Vacuum Tubes
- C. Transistors ✓ **Correct answer**
- D. AI

A. ICs (integrated circuits) belong to third-generation computers.

B. Vacuum tubes belong to first-generation computers.

C. Second-generation computers used transistors (replacing vacuum tubes).

D. AI is not a computer-generation technology.

98 Computer

Legal instrument that provides legal rights to the creator of artwork, literature, or a work that conveys information or ideas:

- A. Patent
- B. Copyright ✓ **Correct answer**
- C. Trademark
- D. Piracy

A. A patent protects inventions, not artwork or literature.

B. Copyright is the legal right that protects the creator of artwork, literature or other works.

C. A trademark protects brands and logos, not creative works.

D. Piracy is the illegal copying of works, not a legal right.

Question 99 Computer

The function to insert data in a stack data structure is:

- A. Push ✓ **Correct answer**
- B. Pop
- C. Insert
- D. Enter

A. 'Push' inserts data onto a stack (pop removes it).

B. 'Pop' removes data from a stack, it does not insert it.

C. 'Insert' is not the stack operation — it is 'push'.

D. 'Enter' is not the stack operation — it is 'push'.

100 Computer

if', 'if else', 'switch' statements come in which statements:

- A. Control
- B. Structure
- C. Conditional ✓ **Correct answer**
- D. Query

A. 'Control' is the wider family; the specific kind here is conditional.

B. 'Structure' is not the term for if/switch statements.

C. 'if', 'if else' and 'switch' are conditional statements (they choose between branches).

D. 'Query' belongs to databases, not to if/switch statements.

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