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 — **99 solved and verified**, 1 excluded as defective (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: 23-06-2025' (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/ . 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 (Q5: B to A — 'Selected' is a synonym of 'elected'; the antonym is 'Unelected'; Q85: B to C — four amino acids are joined by three peptide bonds, needing three water molecules for complete hydrolysis; Q88: C to D — Jinnah formally joined the All-India Muslim League on 10 October 1913). 2 PICK-ONE (Q2, Q34) and 1 DEFECTIVE-excluded (Q29 — the sentence has no identifiable error), decided by the assistant under the owner's 8 Nov 2026 delegation.

Question 1 English

The similar meaning of the word SOVEREIGN is:

- A. Autonomous ✓ **Correct answer**

or

- C. Secondary
- D. Inferior

A. Sovereign means supreme and independent; 'Autonomous' (self-governing) is the synonym.

B. Minor means lesser; it is the opposite of sovereign.

C. Secondary means second in importance; it is the opposite of sovereign.

D. Inferior means lower; it is the opposite of sovereign.

Question 2 English

The similar meaning of the word SEVERAL is:

- A. Individual
- B. Diverse ✓ **Correct answer**
- C. None
- D. One

A. Individual means single; it is the opposite of several.

B. Several means a number of different things; among the options 'Diverse' (of various kinds) is the intended near-synonym — the passage speaks of 'several key features'.

C. 'None' means not any; it is not a synonym of several.

D. 'One' is a single thing; several means more than one.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): strictly, 'several' means 'a few', and no option gives that; B is kept as the printed key and the intended answer.

3 English

The similar meaning of the word OFFICIAL is:

- A. Formal ✓ **Correct answer**
- B. Indefinite
- C. Incorrect
- D. False

A. Official means formal or authorised; 'Formal' is the synonym.

B. Indefinite means not clear or fixed; it is not a synonym of official.

C. Incorrect means wrong; it is not a synonym of official.

D. False means untrue; it is not a synonym of official.

Question 4 English

The opposite meaning of the word ENSURE is:

- A. Assure
- B. Prevent ✓ **Correct answer**
- C. Secure
- D. Affirm

A. Assure means to promise or make certain — a synonym of ensure, not its opposite.

B. Ensure means to make certain something happens; its opposite is to 'Prevent' it from happening.

C. Secure means to make safe or certain — a synonym of ensure, not its opposite.

D. Affirm means to state firmly — a synonym of ensure, not its opposite.

5 English

The opposite meaning of the word ELECTED is:

- A. Unelected ✓ **Correct answer**
- B. Selected
- C. Appointed
- D. Designated

A. Elected means chosen by vote; its direct opposite is 'Unelected'.

B. Selected means chosen — a synonym of elected, not its opposite; it is the printed key and it is wrong.

C. Appointed means chosen for a post — a synonym of elected, not its opposite.

D. Designated means appointed or named — a synonym of elected, not its opposite.

Note: Note: PRINTED-KEY CORRECTION — B to A (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key B ('Selected') is wrong — 'selected' is a synonym of 'elected'; the direct antonym is 'Unelected' (A).

Question 6 English

The Constitution of the Islamic Republic of Pakistan consists of:

- A. 280 articles ✓ **Correct answer**
- B. 281 articles
- C. 283 articles
- D. 12 articles

A. The passage states the 1973 Constitution comprises 280 articles.

B. The passage says 280 articles, not 281.

C. The passage says 280 articles, not 283.

number of parts in the Constitution, not the number of articles.

Question 7 English

The Constitution of the Islamic Republic of Pakistan declares Urdu as:

- A. Provincial language
- B. National language ✓ **Correct answer**
- C. Local language
- D. Official language

A. The passage declares Urdu the national language, not a provincial one.

B. The passage states Urdu is the national language.

C. The passage declares Urdu the national language, not a local one.

D. English is the official language; Urdu is the national language.

Question 8 English

The Constitution of the Islamic Republic of Pakistan declares English as:

- A. Official language ✓ **Correct answer**
- B. National language
- C. Provincial language
- D. Local language

A. The passage states English is the official language.

B. Urdu is the national language; English is the official language.

C. The passage declares English the official language, not a provincial one.

D. The passage declares English the official language, not a local one.

9 English

The 1973 Constitution provides the separation of powers among the Executive, Legislature, and:

- A. Provincial
- B. National
- C. Senate
- D. Judiciary ✓ **Correct answer**

A. The third branch is the Judiciary, not 'Provincial'.

B. The third branch is the Judiciary, not 'National'.

C. The Senate is a house of the Legislature, not a separate branch.

D. The passage states the 1973 Constitution provides the separation of powers among the Executive, Legislature and Judiciary.

Question 10 English

Pakistan is a sovereign state governed by:

- A. Elected representatives ✓ **Correct answer**
- B. Senate members
- C. Executives
- D. Judicial members

A. The passage states Pakistan is a sovereign state governed by elected representatives.

B. The passage says the state is governed by elected representatives, not by Senate members alone.

C. The passage says elected representatives, not executives.

D. The passage says elected representatives, not judicial members.

11 English

The synonym of the word CHATTING is:

- A. Quite
- B. Silent
- C. Humming
- D. Gossip ✓ **Correct answer**

A. 'Quite' means fairly or completely; it is not a synonym of chatting.

B. Silent means saying nothing — the opposite of chatting.

C. Humming is making a low musical sound; it is not a synonym of chatting.

D. Chatting is informal talk; 'Gossip' (informal talk about others) is the synonym.

Question 12 English

The antonym of the word START is:

- A. Choose
- B. Begin
- C. Elect
- D. End ✓ **Correct answer**

A. Choose means to pick; it is not the opposite of start.

B. Begin is a synonym of start, not its opposite.

C. Elect means to choose by vote; it is not the opposite of start.

D. Start means to begin; its opposite is to 'End'.

Question 13 English

The synonym of the word SELECTED is:

- B. Kept
- C. Restrained
- D. Appointed ✓ **Correct answer**

A. Held means kept or grasped; it is not a synonym of selected.

B. Kept means retained; it is not a synonym of selected.

C. Restrained means held back; it is not a synonym of selected.

D. Selected means chosen; 'Appointed' (chosen for a post) is the synonym.

Question 14 English

The antonym of the word WONDROUS is:

- A. Amazing
- B. Normal ✓ **Correct answer**
- C. Astonish
- D. Striking

A. Amazing is a synonym of wondrous, not its opposite.

B. Wondrous means amazing; its opposite is 'Normal' (ordinary).

C. Astonish is a verb meaning to amaze; it is not the opposite of wondrous.

D. Striking means remarkable — a synonym of wondrous, not its opposite.

Question 15 English

The synonym of the word OPERATE is:

- A. Perform ✓ **Correct answer**
- B. Cease
- C. Consume

A. Operate means to work or function; 'Perform' is the synonym.

B. Cease means to stop — the opposite of operate.

C. Consume means to use up; it is not a synonym of operate.

D. Destroy means to ruin; it is not a synonym of operate.

Question 16 English

The antonym of the word INTOLERABLE is:

- A. Tolerable ✓ **Correct answer**
- B. Extreme
- C. Impossible
- D. Painful

A. Intolerable means unbearable; its opposite is 'Tolerable'.

B. Extreme means very great; it is not the opposite of intolerable.

C. Impossible means cannot be done; it is not the opposite of intolerable.

D. Painful means causing pain; it is not the opposite of intolerable.

Question 17 English

The synonym of the word MIGRATE is:

- A. Emigrate ✓ **Correct answer**
- B. Permanent
- C. Stay
- D. Remain

A. Migrate means to move from one place to another; 'Emigrate' (to leave one's country to

-e) is the synonym.

B. Permanent means lasting; it is not a synonym of migrate.

C. Stay is the opposite of migrate.

D. Remain means to stay; it is the opposite of migrate.

Question 18 English

The antonym of the word OBLIGATORY is:

- A. Mandatory
- B. Voluntary ✓ **Correct answer**
- C. Compulsory
- D. Unavoidable

A. Mandatory is a synonym of obligatory, not its opposite.

B. Obligatory means required; its opposite is 'Voluntary' (done by choice).

C. Compulsory is a synonym of obligatory, not its opposite.

D. Unavoidable means cannot be avoided — a near-synonym of obligatory, not its opposite.

Question 19 English

The synonym of the word DISPUTE is:

- A. Calm
- B. Argument ✓ **Correct answer**
- C. Peace
- D. Concord

A. Calm is the opposite of a dispute.

means a disagreement, 'Argument' is the synonym.

C. Peace is the opposite of a dispute.

D. Concord means agreement — the opposite of a dispute.

Question 20 English

The antonym of the word SUCCESS is:

- A. Failure ✓ **Correct answer**
- B. Achievement
- C. Lie
- D. Rest

A. Success means achieving what was aimed for; its opposite is 'Failure'.

B. Achievement is a synonym of success, not its opposite.

C. A lie is a false statement; it is not the opposite of success.

D. Rest means relaxation; it is not the opposite of success.

Question 21 English

Select the correct spelling of a word for 'a place where children study ?

- A. School ✓ **Correct answer**
- B. Skool
- C. Schooll
- D. Schol

A. The place where children study is a 'School'.

B. Misspelt: 'k' for 'ch'.

C. Misspelt: double 'l'.

the second 'o' is missing.

Question 22 English

Select the correct spelling of a word for 'a place where patients are treated ?

- A. Houspital
- B. Hospital ✓ **Correct answer**
- C. Haupital
- D. Haspital

A. Misspelt: 'ou' for 'o'.

B. The place where patients are treated is a 'Hospital'.

C. Misspelt: 'au' for 'o'.

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

Question 23 English

Choose the correct spell word:

- A. Delicios
- B. Delicious ✓ **Correct answer**
- C. Delicous
- D. Delecious

A. Misspelt: 's' for 'us' at the end.

B. The correct spelling is D-E-L-I-C-I-O-U-S — 'Delicious'.

C. Misspelt: the 'i' is missing.

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

24 English

Select the correct spelling of a word for 'a place where flowers are cultivated ?

- A. Gardden
- B. Garden ✓ **Correct answer**
- C. Gardan
- D. Gardden

A. Misspelt: double 'd'.

B. The place where flowers are cultivated is a 'Garden'.

C. Misspelt: 'a' for 'e'.

D. Misspelt: double 'd' — the same misspelling as option A.

Note: Note: Reproduction note: options A and D are both 'Gardden' (duplicate distractors as printed); the correct spelling 'Garden' is option B.

Question 25 English

Choose the correct spell word:

- A. Paralyzed ✓ **Correct answer**
- B. Peralyzed
- C. Paralyzzed
- D. Paralized

A. The correct spelling is P-A-R-A-L-Y-Z-E-D — 'Paralyzed'.

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

C. Misspelt: double 'z'.

D. Misspelt: 's' for 'z' and the 'y' is missing.

26 English

The bird saw that an ant were sinking in the water.(Find the error)

- A. saw
- B. were ✓ **Correct answer**
- C. sinking
- D. in

A. 'saw' is the correct past tense of see; there is no error in it.

B. The subject is 'an ant' (singular), so the verb must be 'was', not 'were' — the error is 'were'.

C. 'sinking' is the correct participle; there is no error in it.

D. 'in' is the correct preposition before 'the water'; there is no error in it.

Question 27 English

Your books are nice but thees are old.(Find the error)

- A. your
- B. are
- C. thees ✓ **Correct answer**
- D. are

A. 'Your' is the correct possessive; there is no error in it.

B. 'are' agrees with the plural subject 'books'; there is no error in it.

C. 'thees' is not a word — the correct word is 'these', so the error is 'thees'.

D. The second 'are' agrees with 'thees/these'; there is no error in it.

28 English

The old headmaster was walking below the road when he fell down.(Find the error)

- A. headmaster
- B. walking
- C. below ✓ **Correct answer**
- D. fell

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

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

C. One walks 'along' (or 'on') a road, not 'below' it — the error is 'below'.

D. 'fell' is the correct past tense of fall; there is no error in it.

Question 29 English

I am tired as I have just come back home from my office.(Find the error)

- A. tired
- B. have
- C. come
- D. office

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

A. 'tired' is correct; it is not an error.

B. 'have' is the correct auxiliary for the present perfect; it is not an error.

C. 'come' is the correct past participle; it is not an error.

D. 'office' is correct ('come back home from my office'); it is not an error. DEFECTIVE (decided by the assistant under the owner's 8 Nov 2026 delegation): DEFECTIVE-excluded:

e as printed contains no identifiable grammatical error ('I am tired as I have just come back home from my office' is grammatical: 'as' = because, 'have just come back home from my office' is well formed), so no option can be shown to be the error and the printed key D cannot be verified. No answer is asserted. Decided by the assistant under the owner's 8 Nov 2026 delegation.

Question 30 English

We have complaint to them so many times about the noise at night.(Find the error)

- A. complaint ✓ **Correct answer**
- B. many
- C. about
- D. at night

A. 'We have complained to them' needs the verb 'complained', not the noun 'complaint' — the error is 'complaint'.

B. 'many' correctly modifies 'times'; there is no error in it.

C. 'about' is the correct preposition after 'complain'; there is no error in it.

D. 'at night' is correct; there is no error in it.

Question 31 English

You must follow the signal rules _____ your safety.

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

A. 'to your safety' is not the idiom; purpose is expressed with 'for'.

B. 'Follow the rules for your safety' — 'for' expresses purpose.

fety' is not correct English here.

D. 'of your safety' is not correct English here.

Question 32 English

The store is _____ the park.

- A. near ✓ **Correct answer**
- B. on
- C. among
- D. between

A. The store is 'near' the park — 'near' expresses closeness.

B. 'on the park' is not correct for location here.

C. 'among' is used for three or more things, not for the store's position.

D. 'between' needs two named things; it does not fit here.

Question 33 English

Hamza looked _____ his friend angrily.

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

A. 'looked on' means to watch as a spectator; it does not fit 'angrily'.

B. 'Looked at his friend' — 'at' follows 'looked' when directing one's gaze.

C. 'looked of' is not correct English.

D. 'looked for' means to search for; it does not fit here.

34 English

They were waiting _____ the station _____ twenty minutes.

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

A. 'In the station for twenty minutes' is also grammatical — see the note.

B. 'upto' is not correct after a duration; the second blank needs 'for'.

C. 'Waiting at the station for twenty minutes' — 'at' for the place, 'for' for the duration.

D. 'of the station' and 'at twenty minutes' are both wrong here.

Note: Note: PICK-ONE (decided by the assistant under the owner's 8 Nov 2026 delegation): 'waiting in the station for twenty minutes' (A) is also grammatical; the printed key C ('at, for') is kept as the idiomatic pair for 'waiting' at a place.

Question 35 English

I have been ringing the doorbell _____ a while, but there is no answer.

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

A. 'For a while' expresses duration — 'I have been ringing the doorbell for a while'.

B. 'in a while' means after a short time, not duration.

C. 'to a while' is not correct English.

D. 'from a while' is not correct English.

36 English

Select the PREPOSITION in the following sentence: "We got lost in the dark."

- A. We
- B. Got
- C. Lost
- D. In ✓ **Correct answer**

A. 'We' is a pronoun (the subject), not a preposition.

B. 'Got' is a verb, not a preposition.

C. 'Lost' is an adjective/participle here, not a preposition.

D. 'In' is the preposition in 'We got lost in the dark'.

Question 37 English

Select the SUBJECT of the following sentence: "They both knew each other."

- A. They ✓ **Correct answer**
- B. Both
- C. Knew
- D. Each other

A. The subject is who the sentence is about: 'They' both knew each other.

B. 'Both' is a determiner, not the subject.

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

D. 'Each other' is the object, not the subject.

Question 38 English

Select the VERB in the following sentence: "My brother plays cricket."

- B. Brother
- C. Plays ✓ **Correct answer**
- D. Cricket

A. 'My' is a possessive determiner, not the verb.

B. 'Brother' is a noun (the subject), not the verb.

C. The action word in the sentence is 'plays'.

D. 'Cricket' is a noun (the object), not the verb.

Question 39 English

Select the VERB in the following sentence: "She drank hot water."

- A. She
- B. Drank ✓ **Correct answer**
- C. Water
- D. Hot

A. 'She' is a pronoun (the subject), not the verb.

B. The action word in the sentence is 'drank'.

C. 'Water' is a noun (the object), not the verb.

D. 'Hot' is an adjective, not the verb.

Question 40 English

Select the type of the following sentence: "Please open the window."

- A. Declarative
- B. Imperative ✓ **Correct answer**
- C. Interrogative

A. A declarative sentence makes a statement; this gives a command.

B. 'Please open the window' gives a command/request — an imperative sentence.

C. An interrogative sentence asks a question; this gives a command.

D. An exclamatory sentence expresses strong feeling with '!'; this gives a command.

Question 41 Mathematics

Select one of the following that is set:

- A. Collection of delicious dishes
- B. Mathematics books of class X ✓ **Correct answer**
- C. Set of office computer system
- D. Collection of greater numbers

A. 'Delicious' is a matter of taste, so the collection is not well defined — not a set.

B. A set must be a well-defined collection. 'Mathematics books of class X' is well defined; delicious dishes and 'greater numbers' are not, and 'set of office computer system' is vague.

C. 'Set of office computer system' is not a well-defined collection — not a set.

D. 'Greater numbers' has no boundary, so the collection is not well defined — not a set.

Question 42 Mathematics

Choose the integer from the following:

- A. 3.5
- B. ¼
- C. 0.75
- D. -2 ✓ **Correct answer**

cimal, not an integer.

B. 1/4 is a fraction, not an integer.

C. 0.75 is a decimal, not an integer.

D. -2 is an integer; 3.5, 1/4 and 0.75 are not.

Question 43 Mathematics

The square root of 64 is:

- A. 5
- B. 6
- C. 8 ✓ **Correct answer**
- D. 12

A. 5 × 5 = 25, not 64.

B. 6 × 6 = 36, not 64.

C. 8 × 8 = 64, so the square root of 64 is 8.

D. 12 × 12 = 144, not 64.

Question 44 Mathematics

Choose the terminating decimal from the following:

- A. 1/3
- B. 0.125 ✓ **Correct answer**
- C. 0.6666...
- D. 7/9

A. 1/3 = 0.333... — it repeats, so it does not terminate.

B. 0.125 terminates (125/1000 = 1/8); 1/3, 0.6666... and 7/9 repeat forever.

repeats, so it does not terminate.

D. 7/9 = 0.777… — it repeats, so it does not terminate.

Question 45 Mathematics

If X = {2, 4, 6, 8} and Y = {1, 2, 3, 6} then X⋂Y =

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

A. {2, 4, 6, 8} is the set X itself, not the intersection.

B. X ∩ Y is the elements common to both: 2 and 6, so {2, 6}.

C. {1, 2, 3, 6} is the set Y itself, not the intersection.

D. That is the union X ∪ Y (with 5 and 7 wrongly added), not the intersection.

Question 46 Mathematics

If we round off the decimal 3.8461 up to two decimal places, we get:

- A. 3.84
- B. 3.81
- C. 3.86
- D. 3.85 ✓ **Correct answer**

A. 3.84 ignores the rounding-up from the third decimal 6.

B. 3.81 is not 3.8461 rounded to two places.

C. 3.86 rounds the wrong digit.

D. 3.8461 to two decimal places: the third decimal is 6, so the second rounds up — 3.85.

47 Mathematics

The value of 2^3 is:

- A. 5
- B. 6
- C. 8 ✓ **Correct answer**
- D. 9

A. 5 is 2 + 3, not 2^3.

B. 6 is 2 × 3, not 2^3.

C. $2^3 = 2 \times 2 \times 2 = 8$.

D. 9 is 3^2, not 2^3.

Question 48 Mathematics

The square of 31 is:

- A. 62
- B. 961 ✓ **Correct answer**
- C. 480
- D. 124

A. 62 is 31 × 2, not 31^2.

B. $31^2 = 31 \times 31 = 961$.

C. 480 is not 31 × 31.

D. 124 is 31 × 4, not 31^2.

Question 49 Mathematics

If a, b, c ∈ R then:

b ⇒ a + c < b + c ✓ Correct answer

- B. a < b ⇒ a + c = b + c
- C. a < b ⇒ a + c > b + c
- D. a < b ⇒ b + c < a + c

A. Adding the same number c to both sides preserves the inequality: a < b gives a + c < b + c.

B. Adding c cannot turn '<' into '='.

C. Adding c cannot reverse the inequality.

D. b + c < a + c contradicts a + c < b + c.

Question 50 Mathematics

{ x | x ∈ A ∨ x ∈ B} =:

- A. A⋂B
- B. A⋃B ✓ **Correct answer**
- C. A-B
- D. A◿B

A. A ∩ B is the elements in BOTH A and B (∧), not 'or'.

B. {x | x ∈ A ∨ x ∈ B} is the set of elements in A or in B (or both) — the union A ∪ B.

C. A − B is the elements in A but not in B.

D. A ◿ B is the symmetric difference (in exactly one of A, B), not the union.

Question 51 Mathematics

A pen worth Rs. 50 is sold out for Rs. 75. The profit percentage is:

- A. 25%
- B. 50% ✓ **Correct answer**

- D. 100%

A. 25% would be a profit of Rs. 12.50, not Rs. 25.

B. Profit = 75 − 50 = Rs. 25 on Rs. 50, so the profit percentage is 25/50 × 100 = 50%.

C. 75% would be a profit of Rs. 37.50, not Rs. 25.

D. 100% would mean doubling the price to Rs. 100, not Rs. 75.

Question 52 Mathematics

The sum of the interior angles of the hexagon is:

- A. 360°
- B. 540°
- C. 720° ✓ **Correct answer**
- D. 900°

A. 360° is the sum for a quadrilateral, not a hexagon.

B. 540° is the sum for a pentagon, not a hexagon.

C. The sum of the interior angles of an n-sided polygon is (n − 2) × 180°; for a hexagon (6 − 2) × 180° = 720°.

D. 900° is the sum for a heptagon (7 sides), not a hexagon.

Question 53 Mathematics

A region enclosed by two radii and an arc is:

- A. Segment area
- B. Chord line
- C. Sector area ✓ **Correct answer**
- D. Tangent

t is the region bounded by a chord and an arc, not by two radii.

B. A chord is a line joining two points on the circle, not a region.

C. A sector is the region bounded by two radii and the arc between them.

D. A tangent is a line touching the circle at one point, not a region.

Question 54 Mathematics

When all four vertexes of a quadrilateral touch the circumference of a circle, it is known as:

- A. Cyclic quadrilateral ✓ **Correct answer**
- B. Circum-circle
- C. Centric quadrilateral
- D. Centroid

A. A quadrilateral whose four vertices all lie on a circle is a cyclic quadrilateral.

B. The circum-circle is the circle itself, not the quadrilateral.

C. There is no standard term 'centric quadrilateral' for this.

D. The centroid is the centre of mass of a shape, not a quadrilateral on a circle.

Question 55 Mathematics

A method which is not applicable for solving simultaneous linear equations is:

- A. Elimination method
- B. Substitution method
- C. Cramer's Rule
- D. Completing the square ✓ **Correct answer**

A. Elimination is a standard method for simultaneous linear equations.

on is a standard method for simultaneous linear equations.

C. Cramer's Rule (determinants) is a standard method for simultaneous linear equations.

D. Elimination, substitution and Cramer's Rule all solve simultaneous linear equations; completing the square solves quadratic equations, not simultaneous linear ones.

Question 56 Mathematics

The quotient of 64/63 and 108/117 is:

- A. 208/189 ✓ **Correct answer**
- B. 2304/819
- C. 189/208
- D. 488/804

A. (64/63) ÷ (108/117) = (64/63) × (117/108) = 7488/6804 = 208/189.

B. 2304/819 is not the quotient; it does not reduce from 7488/6804.

C. 189/208 is the reciprocal of the quotient.

D. 488/804 is not the quotient.

Question 57 Mathematics

If 1 ¥ is equal to 1.81 Pak rupees, one Pak rupee will be equal to:

- A. ¥0.55 ✓ **Correct answer**
- B. ¥0.49
- C. ¥0.68
- D. ¥0.62

A. 1 PKR = 1/1.81 yen ≈ ¥0.55.

B. ¥0.49 would mean 1 yen ≈ 2.04 PKR, not 1.81.

ld mean 1 yen ≈ 1.47 PKR, not 1.81.

D. ¥0.62 would mean 1 yen ≈ 1.61 PKR, not 1.81.

Question 58 Mathematics

If the width of a rectangle is x and the length is twice the width, the perimeter will be:

- A. 4x
- B. 2x + 4y
- C. 6x ✓ **Correct answer**
- D. 9x

A. 4x is 2 × 2x — it omits the width.

B. 2x + 4y introduces a y that is not in the question.

C. Perimeter = 2 × (length + width) = 2 × (2x + x) = 6x.

D. 9x is not 2 × (2x + x).

Question 59 Mathematics

Farhan purchased four pizzas and three donuts for 1670. Hamid purchased six pizzas and two donuts for 2280. The cost of one pizza will be:

- A. Rs. 340
- B. Rs. 350 ✓ **Correct answer**
- C. Rs. 360
- D. Rs. 370

A. Rs. 340 does not satisfy 4p + 3d = 1670 with a whole-number donut price.

B. 4p + 3d = 1670 and 6p + 2d = 2280. Doubling the first (8p + 6d = 3340) and tripling the second (18p + 6d = 6840) and subtracting gives 10p = 3500, so one pizza costs Rs. 350.

C. Rs. 360 does not satisfy the two equations.

oes not satisfy the two equations.

Question 60 Mathematics

If the product of two numbers is 96 and the sum is 35, the greatest number would be:

- A. 32 ✓ **Correct answer**
- B. 24
- C. 12
- D. 3

A. Two numbers with product 96 and sum 35 are 32 and 3 (32 × 3 = 96; 32 + 3 = 35); the greater is 32.

B. 24 would need the other number to be 11 (sum 35) but 24 × 11 = 264, not 96.

C. 12 would need the other number to be 23 (sum 35) but 12 × 23 = 276, not 96.

D. 3 is the smaller number, not the greater.

Question 61 Pakistan Studies

The city known as the "City of Lights" in Pakistan is:

- A. Lahore
- B. Karachi ✓ **Correct answer**
- C. Islamabad
- D. Peshawar

A. Lahore is the 'City of Gardens', not the City of Lights.

B. Karachi is known as the 'City of Lights' in Pakistan.

C. Islamabad is the capital, not the City of Lights.

D. Peshawar is the 'City of Flowers', not the City of Lights.

62 Pakistan Studies

The Thar Desert is located in which part of Pakistan:

- A. Northern
- B. Southern
- C. Eastern ✓ **Correct answer**
- D. Western

A. The Thar is not in northern Pakistan.

B. The Thar is in the east, not the south (the southern deserts are different).

C. The Thar Desert lies in eastern Pakistan (eastern Sindh, along the Indian border).

D. The Thar is in the east, not the west (the western desert is Kharan).

Question 63 Pakistan Studies

The Pakistani city famous for its historical site Mohenjo-Daro is:

- A. Karachi
- B. Larkana ✓ **Correct answer**
- C. Hyderabad
- D. Sukkur

A. Karachi is the port city of Sindh, not the site of Mohenjo-Daro.

B. Mohenjo-Daro is near Larkana in Sindh.

C. Hyderabad is a different Sindh city, not the site of Mohenjo-Daro.

D. Sukkur is a different Sindh city, not the site of Mohenjo-Daro.

Question 64 Pakistan Studies

The Pakistan Super League (PSL) is associated with:

key

- B. Football
- C. Cricket ✓ **Correct answer**
- D. Squash

A. The PSL is cricket, not hockey.

B. The PSL is cricket, not football.

C. The Pakistan Super League (PSL) is a cricket league.

D. The PSL is cricket, not squash.

Question 65 Pakistan Studies

The impact of Inflation on Pakistan's economy is:

- A. It increased purchasing power
- B. It boosted industrial growth
- C. It reduced the cost of living
- D. It led to higher prices of goods and services ✓ **Correct answer**

A. Inflation reduces purchasing power; it does not increase it.

B. Inflation raises costs and hurts growth; it does not boost industry.

C. Inflation raises the cost of living; it does not reduce it.

D. Inflation means prices rise, so people's money buys less — it led to higher prices of goods and services.

Question 66 Pakistan Studies

The China-Pakistan Economic Corridor (CPEC) is important for Pakistan because:

- A. It promotes cultural exchange
- B. It improves infrastructure and energy projects ✓ **Correct answer**

cuses on military cooperation

- D. It reduces Pakistan's debt

A. Cultural exchange is not CPEC's main purpose.

B. CPEC builds roads, ports and power projects — it improves infrastructure and energy projects.

C. CPEC is an economic corridor, not a military cooperation pact.

D. CPEC involves loans and investment; it does not reduce Pakistan's debt by itself.

Question 67 Pakistan Studies

The significance of Pakistan's role in the Organization of Islamic Cooperation is:

- A. It promotes military alliances
- B. It focuses on space exploration
- C. It addresses issues faced by Muslim countries ✓ **Correct answer**
- D. It reduces trade barriers

A. The OIC is not a military alliance.

B. The OIC does not focus on space exploration.

C. In the OIC, Pakistan works with other Muslim countries on issues faced by the Muslim world.

D. Reducing trade barriers is not the OIC's defining purpose.

Question 68 Pakistan Studies

Pakistan faced severe floods in 2022 because:

- A. Due to excessive rainfall and poor infrastructure ✓ **Correct answer**
- B. Due to deforestation
- C. Due to earthquakes

A. The 2022 floods were caused by unprecedented monsoon rainfall combined with poor infrastructure and drainage.

B. Deforestation worsens flooding but was not the cause of the 2022 floods.

C. The 2022 floods were not caused by earthquakes.

D. The 2022 floods were not caused by industrial pollution.

Question 69 General Knowledge

The total number of players in soccer on the field is:

- A. 11 ✓ **Correct answer**
- B. 10
- C. 9
- D. 12

A. A soccer team has 11 players on the field.

B. 10 is not the number of players in a soccer team on the field.

C. 9 is not the number of players in a soccer team on the field.

D. 12 is not the number of players in a soccer team on the field.

Question 70 General Knowledge

The country famous for the Taj Mahal is:

- A. Pakistan
- B. India ✓ **Correct answer**
- C. Iran
- D. Turkey

ahal is in India, not Pakistan.

B. The Taj Mahal is in Agra, India.

C. The Taj Mahal is in India, not Iran.

D. The Taj Mahal is in India, not Turkey.

Question 71 General Knowledge

The Telephone was invented by:

- A. Thomas Edison
- B. Alexander Graham Bell ✓ **Correct answer**
- C. Nikola Tesla
- D. Albert Einstein

A. Thomas Edison invented the phonograph and the light bulb, not the telephone.

B. Alexander Graham Bell invented the telephone (patented 1876).

C. Nikola Tesla worked on alternating current, not the telephone.

D. Albert Einstein was a physicist (relativity), not the inventor of the telephone.

Question 72 General Knowledge

The national currency of Japan is:

- A. Dollar
- B. Won
- C. Yen ✓ **Correct answer**
- D. Peso

A. The dollar is the currency of the USA, not Japan.

B. The won is the currency of Korea, not Japan.

rrency is the yen.

D. The peso is the currency of the Philippines and others, not Japan.

Question 73 General Knowledge

Countries trade with each other because:

- A. To decrease their resources
- B. To increase population and decrease pollution
- C. To prevent immigration from other countries
- D. To get goods and services they do not produce ✓ **Correct answer**

A. Trade increases resources available; it does not decrease them.

B. Trade is about goods and services, not about population and pollution.

C. Trade does not exist to prevent immigration.

D. Countries trade to obtain goods and services they do not produce themselves.

Question 74 General Knowledge

The primary role of a country's constitution is:

- A. To control people and army in the country
- B. To define the government's structure and laws ✓ **Correct answer**
- C. To stop political parties from forming government
- D. To determine the population size and resource distribution

A. A constitution does not exist to control people and the army.

B. A constitution defines the structure of government and the laws of the country.

C. A constitution protects the right to form political parties; it does not stop them.

D. A constitution does not determine population size or resource distribution.

75 Geography

The term "equator" refers to:

- A. A line dividing the Earth into Northern and Southern Hemispheres ✓ **Correct answer**
- B. A line marking the Tropic of Cancer and Tropic of Capricorn
- C. A line dividing the Earth into Eastern and Western Hemispheres
- D. A line marking the Prime Meridian

A. The equator is the imaginary line dividing the Earth into the Northern and Southern Hemispheres.

B. The Tropics of Cancer and Capricorn are lines of latitude north and south of the equator, not the equator itself.

C. The line dividing East and West is the Prime Meridian, not the equator.

D. The Prime Meridian divides East and West; it is not the equator.

Question 76 Biology

In plants, the exchange of gases occurs through:

- A. Flowers
- B. Stomata ✓ **Correct answer**
- C. Leaf stalk
- D. Chlorophyll

A. Flowers are for reproduction, not gas exchange.

B. In plants, gas exchange (CO_2 in, O_2 out) occurs through the stomata — tiny pores on leaves.

C. The leaf stalk (petiole) supports the leaf; gas exchange happens through the stomata.

D. Chlorophyll is the pigment for photosynthesis, not the opening for gas exchange.

77 Biology

In the process of respiration, the food is:

- A. Broken down to absorb energy
- B. Broken down to release energy ✓ **Correct answer**
- C. Formed in the presence of sunlight
- D. Formed in the absence of sunlight

A. Respiration releases energy; it does not absorb it.

B. In respiration, food (glucose) is broken down to release energy for the cell.

C. Food is formed in photosynthesis in sunlight, not in respiration.

D. Food is formed in photosynthesis in sunlight, not in respiration without sunlight.

Question 78 Biology

The part of a plant that contains ovules is:

- A. Stigma
- B. Style
- C. Ovary ✓ **Correct answer**
- D. Anther

A. The stigma receives pollen; it does not contain ovules.

B. The style is the stalk below the stigma; it does not contain ovules.

C. The ovary is the part of the flower that contains the ovules.

D. The anther produces pollen; it does not contain ovules.

Question 79 Biology

Cross-pollination is beneficial in plants as:

- B. It increases the genetic variety ✓ **Correct answer**
- C. It prevents reproduction
- D. It stops seed germination

A. Cross-pollination does not reduce flower production.

B. Cross-pollination mixes genes from two parents, increasing genetic variety in the offspring.

C. Cross-pollination enables reproduction; it does not prevent it.

D. Cross-pollination produces seeds; it does not stop germination.

Question 80 Biology

The organisms commonly used for making antibiotics in the field of biotechnology are:

- A. Bacteria ✓ **Correct answer**
- B. Virus
- C. Fungi
- D. Protozoa

A. Most antibiotics are produced by bacteria — notably Streptomyces species, which make the majority of known antibiotics.

B. Viruses do not produce antibiotics.

C. Fungi produce some antibiotics (e.g. penicillin from Penicillium), but bacteria are the organisms most commonly used for antibiotic production.

D. Protozoa do not produce antibiotics.

Question 81 Biology

Genetically modified organisms help humans in:

sing genetic mutations

- B. Increasing food production and resistance to diseases ✓ **Correct answer**
- C. Reducing crop yield
- D. Spreading infections

A. GMOs are made to improve crops, not to cause mutations in humans.

B. Genetically modified organisms are bred to increase food production and to resist diseases and pests.

C. GMOs aim to increase crop yield, not reduce it.

D. GMOs do not spread infections.

Question 82 Chemistry

The longest period of the periodic table is:

- A. Period 1st
- B. Period 4th
- C. Period 6th ✓ **Correct answer**
- D. Period 5th

A. Period 1 is the shortest, with only 2 elements.

B. Period 4 has 18 elements — fewer than period 6.

C. Period 6 is the longest period of the periodic table, with 32 elements (including the lanthanides).

D. Period 5 has 18 elements — fewer than period 6.

Question 83 Chemistry

The electrode that undergoes oxidation in an electrochemical cell is:

- A. Cathode

de ✓ **Correct answer**

- C. Salt bridge
- D. Electrolyte solution

A. Reduction occurs at the cathode, not oxidation.

B. Oxidation occurs at the anode in an electrochemical cell.

C. The salt bridge completes the circuit; no oxidation occurs there.

D. The electrolyte solution conducts ions; oxidation occurs at the anode.

Question 84 Chemistry

According to Arrhenius's theory:

- A. Acids are the substances that produce hydrogen ion ✓ **Correct answer**
- B. Acids are the substances that produce hydroxyl group
- C. Acids are electron pair donors
- D. Acids are proton acceptors

A. By Arrhenius's theory, acids are substances that produce hydrogen ions (H^+) in water.

B. Substances that produce hydroxyl ions (OH^-) are bases, not acids.

C. Electron-pair donors are Lewis bases, not Arrhenius acids.

D. Proton acceptors are Brønsted bases, not Arrhenius acids.

Question 85 Chemistry

The hydrolysis of molecules made of 4 amino acids requires:

- A. One molecule of water
- B. Two molecules of water
- C. Three molecules of water ✓ **Correct answer**
- D. Four molecules of water

molecule would break only one of the three peptide bonds.

B. Two water molecules would break only two of the three peptide bonds; it is the printed key and it is wrong.

C. Four amino acids are joined by three peptide bonds, and hydrolysing each bond needs one water molecule — so three molecules of water are required.

D. Four water molecules would be needed for five amino acids, not four.

Note: Note: PRINTED-KEY CORRECTION — B to C (decided by the assistant under the owner's 8 Nov 2026 delegation): the printed key B (two molecules) is wrong; a chain of four amino acids has three peptide bonds, and complete hydrolysis needs one water molecule per bond — three in total.

Question 86 Islamiat

The first mosque on earth:

- A. Mosque of Aqsa
- B. Bait-ul- Allah ✓ **Correct answer**
- C. Mosque of Ayesha
- D. Mosque of Qiblatain

A. Masjid al-Aqsa was built later; it is not the first mosque on earth.

B. The first mosque (house of worship) on earth is the Kaaba, Bait-ul-Allah, in Makkah (Quran 3:96).

C. The Mosque of Ayesha is a miqat mosque near Makkah, not the first mosque.

D. The Mosque of Qiblatain is in Madinah, not the first mosque on earth.

Question 87 Islamiat

As in other forms of worship (Ibaadat), the significance of the congregation (Jamaat

- A. Financial Ibaadat
- B. Thinking and understanding
- C. Unity between Muslims ✓ **Correct answer**
- D. Distinction according to colour and lineage

A. Congregation is not a financial act of worship (that is Zakat).

B. Thinking and understanding is not the defining significance of the congregation.

C. The congregation (Jamaat) prayer brings Muslims together — its significance is unity between Muslims.

D. The congregation removes distinctions of colour and lineage; it does not create them.

Question 88 Pakistan Studies

Quaid-e-Azam Muhammad Ali Jinnah joined the Muslim League party in 1913 in the month of:

- A. February
- B. March
- C. April
- D. October ✓ **Correct answer**

A. February 1913 is not the month Jinnah joined the League.

B. March 1913 is not the month Jinnah joined the League.

C. April 1913 is not the month Jinnah joined the League; it is the printed key and it is wrong — he joined in October 1913.

D. Jinnah formally joined the All-India Muslim League on 10 October 1913, signing the membership proforma.

Note: Note: PRINTED-KEY CORRECTION — C to D (decided by the assistant under the

Nov 2026 delegation); the printed key C (April) is wrong; Riaz Ahmad's 'Quaid-i-Azam Mohammad Ali Jinnah in His Formative Years' records that Jinnah joined the All-India Muslim League in October 1913, and the Hilal Books 'Struggle for Pakistan' timeline dates his formal joining to 10 October 1913.

Question 89 Pakistan Studies

The South Asian Association of Regional Cooperation (SAARC) was established in 1985, and the president conceived it in:

- A. Bangladesh ✓ **Correct answer**
- B. Bhutan
- C. Maldives
- D. Pakistan

A. SAARC was conceived by President Ziaur Rahman of Bangladesh, who proposed regional cooperation in South Asia.

B. The idea did not come from Bhutan.

C. The idea did not come from the Maldives.

D. The idea did not come from Pakistan.

Question 90 Pakistan Studies

The leader who was not in favor of the Two Nation Theory was:

- A. Abdul Kalam Azad ✓ **Correct answer**
- B. Nawab Saleem Ullah
- C. Quaid-e-Azam
- D. Allama Iqbal

A. Abdul Kalam Azad opposed the Two-Nation Theory and partition; he stood for a united India.

leem Ullah (Mohsin-ul-Mulk's successor) supported the Muslim League, not the opponents of the Two-Nation Theory.

C. Quaid-e-Azam championed the Two-Nation Theory.

D. Allama Iqbal's 1930 address laid the groundwork for the Two-Nation Theory.

Question 91 Computer

Which of the following is not used for input?

- A. Keyboard
- B. Speaker ✓ **Correct answer**
- C. Mouse
- D. Scanner

A. A keyboard is an input device.

B. A speaker produces sound (output); a keyboard, mouse and scanner are all input devices.

C. A mouse is an input device.

D. A scanner is an input device.

Question 92 Computer

You can open the previously saved program in the computer by clicking on:

- A. View Menu
- B. Save Menu
- C. File Menu ✓ **Correct answer**
- D. Edit Menu

A. The View menu changes how things are displayed; it does not open saved files.

B. There is no 'Save Menu' for opening files; Save stores the current file.

sly saved program is opened through the File menu (File > Open).

D. The Edit menu is for cut, copy and paste; it does not open saved files.

Question 93 Computer

Page Up, Page Down, Delete, Insert, and Arrow keys are known as:

- A. Function Keys
- B. Control Keys
- C. Navigation Keys ✓ **Correct answer**
- D. Typing Keys

A. Function keys are F1–F12, not these keys.

B. Control keys are Ctrl, Alt and Shift, not these keys.

C. Page Up, Page Down, Delete, Insert and the Arrow keys move the cursor or view — navigation keys.

D. Typing keys are the letters and numbers, not these keys.

Question 94 Computer

Slideshow in Microsoft PowerPoint is launched by:

- A. F2
- B. F3
- C. F4
- D. F5 ✓ **Correct answer**

A. F2 renames/edits, it does not start a slideshow.

B. F3 does not start a slideshow.

C. F4 repeats the last action; it does not start a slideshow.

Point, F5 starts the slideshow from the beginning.

Question 95 Computer

The shortcut to create a new email is:

- A. Ctrl + S
- B. Ctrl + N ✓ **Correct answer**
- C. Ctrl + M
- D. Ctrl + X

A. Ctrl+S saves; it does not create a new email.

B. In MS Outlook, Ctrl+N creates a new email message.

C. Ctrl+M is not the new-email shortcut in Outlook.

D. Ctrl+X cuts; it does not create a new email.

Question 96 Computer

The software that is used to create multimedia presentations is:

- A. Microsoft Excel
- B. Microsoft Word
- C. Microsoft Access
- D. Microsoft PowerPoint ✓ **Correct answer**

A. Excel is for spreadsheets, not presentations.

B. Word is for documents, not presentations.

C. Access is for databases, not presentations.

D. Microsoft PowerPoint is the software for creating multimedia presentations.

97 Computer

The picture quality depends on:

- A. Pixels ✓ **Correct answer**
- B. Dots
- C. Memory
- D. CPU

A. Picture quality depends on the number of pixels — more pixels mean a sharper picture.

B. 'Dots' (DPI) relates to printing, but picture quality fundamentally depends on pixels.

C. Memory size does not determine picture quality.

D. The CPU does not determine picture quality.

Question 98 Computer

The first social networking site was:

- A. Six Degrees ✓ **Correct answer**
- B. Facebook
- C. Twitter
- D. YouTube

A. Six Degrees (launched 1997) is recognised as the first social networking site.

B. Facebook (2004) came later than Six Degrees.

C. Twitter (2006) came later than Six Degrees.

D. YouTube (2005) came later than Six Degrees.

Question 99 Computer

The keyboard shortcut key for paste is:

+V ✓ Correct answer

- B. Ctrl + X
- C. Ctrl + C
- D. Ctrl + Z

A. Ctrl+V is the paste shortcut.

B. Ctrl+X is cut, not paste.

C. Ctrl+C is copy, not paste.

D. Ctrl+Z is undo, not paste.

Question 100 Computer

The software which performs all necessary tasks in a computer is:

- A. OS ✓ **Correct answer**
- B. Start Menu
- C. Office Automation
- D. Antivirus

A. The operating system (OS) manages the computer and performs all its necessary tasks.

B. The Start Menu only opens programs; it does not run the computer.

C. Office Automation is application software, not the system software.

D. Antivirus only protects against malware; it does not run the computer.

This paper remains the paper of the Sindh Testing Service. Ranjha Solutions branding is on this solved presentation only — the paper is not owned by Ranjha Solutions. STS publishes no past papers officially.

Past papers are **free** — no charge is taken from any student for papers. General Knowledge answers are as of the 2025 sitting.

https://drive.google.com/file/d/1DyW6k1WsOHvI4uFK6ioCkpZjiYy7tuED/view?usp=sharing (accessed 8 Nov 2026). See the source note on this page about the fold-in corrections.