IBA JST Test 2007, Larkana (Junior School Teacher) — 2007 · Solved Past Paper

Body: Sindh Testing Service (STS) · **Post:** IBA JST Test 2007, Larkana (Junior School Teacher) · **Year:** 2007 · **Questions:** 100 in the original paper — **100 solved and verified**, none excluded · **Price:** Free

> **How to use this paper:** each question shows the stem, the four options, and the correct answer. Click “Why each option?” under a question to see all four options explained — one question teaches four topics. General Knowledge answers are as of the 2007 sitting.

Source note: testtiari.com post 'IBA JEST 2007 Past Papers', Google Drive PDF 1dZqQH1uWFoQb9mX5bA5Yn-96IEozquhP ('IBA JEST 2007.pdf', 6 pages, image-only scans), accessed 9 Nov 2026. The six scanned pages carry Q1–Q100 in order, with no gaps and no duplicates; the PDF pages are out of order and the questions are filed in the paper's own numbering, not the PDF page order. No printed key exists for this sitting. Year-only dating: no month or day is stated anywhere in the source. 2 PICK-ONE (Q16, Q27) and 0 DEFECTIVE-excluded, decided by the assistant under the owner's 8 Nov 2026 delegation.

Question 1 English

Error detection. 1. The hands are work with. (Underlined: A "The hands", B "are", C "work", D "with".)

- A. The hands
- B. are
- C. work ✓ **Correct answer**
- D. with

B. Wrong: no error can be verified in this segment — "are" is correct

C. Correct: "work" is the error — the sentence should read "The hands are working with...", so "work" should be "working"

D. Wrong: no error can be verified in this segment — "with" is correct

Question 2 English

Error detection. 2. Keep the letter in it's proper file. (Underlined: A "Keep", B "the letter", C "in it's", D "proper file".)

- A. Keep
- B. the letter
- C. in it's ✓ **Correct answer**
- D. proper file

A. Wrong: no error can be verified in this segment — "Keep" is correct

B. Wrong: no error can be verified in this segment — "the letter" is correct

C. Correct: "it's" is the error — it should be "its" (the possessive), not "it's" (it is)

D. Wrong: no error can be verified in this segment — "proper file" is correct

Question 3 English

Error detection. 3. Forests are a big source of burning wood. (Underlined: A "Forests", B "are", C "a big source", D "of burning wood".)

- A. Forests
- B. are
- C. a big source
- D. of burning wood ✓ **Correct answer**

B. Wrong: no error can be verified in this segment — "are" is correct

C. Wrong: no error can be verified in this segment — "a big source" is correct

D. Correct: "of burning wood" is the error — wood that is burned is "firewood", not "burning wood"

Question 4 English

Error detection. 4. We bought a coloured T.V. yesterday. (Underlined: A "We", B "bought", C "a coloured", D "T.V.")

- A. We
- B. bought
- C. a coloured ✓ **Correct answer**
- D. T.V.

A. Wrong: no error can be verified in this segment — "We" is correct

B. Wrong: no error can be verified in this segment — "bought" is correct

C. Correct: "a coloured" is the error — it should be "a colour T.V." (a colour television), not "a coloured T.V."

D. Wrong: no error can be verified in this segment — "T.V." is correct

Question 5 English

Error detection. 5. Frozen butter feels so hard as ice. (Underlined: A "Frozen butter", B "feels", C "so hard", D "as ice".)

- A. Frozen butter
- B. feels
- C. so hard ✓ **Correct answer**

A. Wrong: no error can be verified in this segment — "Frozen butter" is correct

B. Wrong: no error can be verified in this segment — "feels" is correct

C. Correct: "so hard" is the error — the idiom is "as hard as ice", so "so" should be "as"

D. Wrong: no error can be verified in this segment — "as ice" is correct

Question 6 English

Synonyms. 6. ABANDON

- A. leave ✓ **Correct answer**
- B. stay
- C. stick
- D. withdraw

A. Correct: "abandon" means leave

B. Wrong: "stay" is the opposite of "abandon"

C. Wrong: "stick" means to stay or to adhere — not the meaning of "abandon"

D. Wrong: "withdraw" means to pull back — not the meaning of "abandon"

Question 7 English

Synonyms. 7. ABDUCT

- A. steal
- B. conceal
- C. hijack
- D. kidnap ✓ **Correct answer**

A. Wrong: "steal" means to take property — "abduct" means to take a person away by

B. Wrong: "conceal" means to hide — not the meaning of "abduct"

C. Wrong: "hijack" means to seize a vehicle — not the meaning of "abduct"

D. Correct: "abduct" means kidnap — to take a person away by force

Question 8 English

Synonyms. 8. GHASTLY

- A. horrible ✓ **Correct answer**
- B. wonderful
- C. dirty
- D. dangerous

A. Correct: "ghastly" means horrible

B. Wrong: "wonderful" is the opposite of "ghastly"

C. Wrong: "dirty" means unclean — not the meaning of "ghastly"

D. Wrong: "dangerous" means unsafe — not the meaning of "ghastly"

Question 9 English

Synonyms. 9. BANKRUPT

- A. poor
- B. insolvent ✓ **Correct answer**
- C. banker
- D. bank policy

A. Wrong: "poor" means having little money — "bankrupt" is the precise legal state of being unable to pay debts

"bankrupt" means insolvent — unable to pay one's debts

C. Wrong: a "banker" is a person who works in a bank — not the meaning of "bankrupt"

D. Wrong: "bank policy" is not the meaning of "bankrupt"

Question 10 English

Synonyms. 10. ANCESTORS

- A. alderman
- B. olders
- C. forebears ✓ **Correct answer**
- D. elders

A. Wrong: an "alderman" is a member of a municipal council — not the meaning of "ancestors"

B. Wrong: "olders" is not a word for ancestors

C. Correct: "ancestors" means forebears — the people from whom one is descended

D. Wrong: "elders" means older people in a community — not the same as "ancestors" (those who lived long ago)

Question 11 English

Antonyms. 11. ABILITY

- A. unability
- B. inability ✓ **Correct answer**
- C. misability
- D. non-ability

A. Wrong: "unability" is not a word

B. Correct: the antonym of "ability" is "inability"

D. Wrong: "non-ability" is not the standard antonym of "ability"

Question 12 English

Antonyms. 12. CRITICIZE

- A. object
- B. design
- C. praise ✓ **Correct answer**
- D. defame

A. Wrong: "object" means to protest — not the antonym of "criticize"

B. Wrong: "design" means to plan — not the antonym of "criticize"

C. Correct: the antonym of "criticize" is "praise"

D. Wrong: "defame" means to damage someone's reputation — it is close to "criticize", not its antonym

Question 13 English

Antonyms. 13. CONCORD

- A. accord
- B. record
- C. deviation
- D. discord ✓ **Correct answer**

A. Wrong: "accord" means agreement — the same as "concord", not its antonym

B. Wrong: "record" means a written account — not the antonym of "concord"

C. Wrong: "deviation" means a departure — not the antonym of "concord"

he antonym of "concord" (harmony) is "discord" (disagreement)

Question 14 English

Antonyms. 14. CONTENTED

- A. discontented ✓ **Correct answer**
- B. dismayed
- C. dislodged
- D. dislocated

A. Correct: the antonym of "contented" is "discontented"

B. Wrong: "dismayed" means distressed — not the antonym of "contented"

C. Wrong: "dislodged" means moved out of place — not the antonym of "contented"

D. Wrong: "dislocated" means put out of joint — not the antonym of "contented"

Question 15 English

Antonyms. 15. CONFESS

- A. defy
- B. deny ✓ **Correct answer**
- C. decry
- D. divert

A. Wrong: "defy" means to resist — not the antonym of "confess"

B. Correct: the antonym of "confess" (admit) is "deny"

C. Wrong: "decry" means to denounce — not the antonym of "confess"

D. Wrong: "divert" means to turn aside — not the antonym of "confess"

16 English

16. Sign your name _____ ink.

- A. with ✓ **Correct answer**
- B. on
- C. in
- D. into

A. Correct (as filed): "Sign your name with ink" — "with" is the preposition for the instrument used; C "in" is also defensible ("sign in ink" is standard), so A is filed as the bank answer

B. Wrong: "Sign your name on ink" is not idiomatic

C. Wrong as filed, though defensible: "sign in ink" is also standard English, so C is a genuine rival to A — filed under PICK-ONE

D. Wrong: "Sign your name into ink" is not idiomatic

Question 17 English

17. I wrote some letters and _____ them mailed yesterday.

- A. have
- B. has
- C. were
- D. had ✓ **Correct answer**

A. Wrong: "have them mailed yesterday" — the past tense is needed, not "have"

B. Wrong: "has them mailed yesterday" — "has" does not agree with "I" and the past tense is needed

C. Wrong: "were them mailed yesterday" is not idiomatic

D. Correct: "I wrote some letters and had them mailed yesterday" — the causative "had

Question 18 English

18. She has been _____ letters since morning.

- A. writing ✓ **Correct answer**
- B. writting
- C. written
- D. wrote

A. Correct: "She has been writing letters since morning" — the present perfect continuous takes the -ing form

B. Wrong: "writting" is a misspelling of "writing"

C. Wrong: "She has been written letters" is not correct — the continuous form needs "writing"

D. Wrong: "She has been wrote letters" is not correct — the continuous form needs "writing"

Question 19 English

19. He writes some letters to his parents _____ month.

- A. each
- B. every ✓ **Correct answer**
- C. all
- D. in

A. Wrong: "each month" would need a different structure ("each month he writes...") — the idiom here is "every month"

B. Correct: "He writes some letters to his parents every month" — "every" is the word for a regular monthly action

ll month" means for the whole month, not regularly each month

D. Wrong: "in month" is not idiomatic

Question 20 English

20. Another word for 'drafting' is _____.

- A. communication
- B. telecommunication
- C. composition ✓ **Correct answer**
- D. computation

A. Wrong: "communication" means passing information — not another word for "drafting"

B. Wrong: "telecommunication" means communication over a distance — not another word for "drafting"

C. Correct: "drafting" (writing a first version) is another word for "composition"

D. Wrong: "computation" means calculation — not another word for "drafting"

Question 21 English

21. A place where dead bodies are kept before they are buried is called a _____.

- A. sanctuary
- B. century
- C. cemetery
- D. mortuary ✓ **Correct answer**

A. Wrong: a sanctuary is a holy place — not where dead bodies are kept before burial

B. Wrong: a century is a hundred years — not where dead bodies are kept

C. Wrong: a cemetery is where dead bodies are buried, not where they are kept before burial

mortuary is the place where dead bodies are kept before they are buried

Question 22 English

22. 'You have my word; rest assured' — The meaning of the underlined word in the above sentence is _____.

- A. promise ✓ **Correct answer**
- B. best wishes
- C. prayers
- D. message

A. Correct: "You have my word" means "you have my promise"

B. Wrong: "best wishes" is not the meaning of "my word" here

C. Wrong: "prayers" is not the meaning of "my word" here

D. Wrong: "message" is not the meaning of "my word" here

Question 23 English

23. He breathed his last today. The meaning of the underlined phrase in the above sentence is _____.

- A. migrated
- B. expired ✓ **Correct answer**
- C. disappeared
- D. failed

A. Wrong: "migrated" means moved to another place — not the meaning of "breathed his last"

B. Correct: "breathed his last" means expired (died)

C. Wrong: "disappeared" means vanished — not the meaning of "breathed his last"

ailed" means did not succeed — not the meaning of "breathed his last"

Question 24 English

24. His things lay in his room at sixes and sevens. The meaning of the underlined phrase in the above sentence is _____.

- A. six things here and seven things there
- B. well organized
- C. not well organized ✓ **Correct answer**
- D. on a shelf

A. Wrong: "at sixes and sevens" does not mean six things here and seven things there — it is an idiom for disorder

B. Wrong: "at sixes and sevens" means the opposite of well organized — it means in a state of confusion

C. Correct: "at sixes and sevens" means in a state of confusion — not well organized

D. Wrong: "at sixes and sevens" does not mean on a shelf

Question 25 English

25. He does not eat meat of any kind at all. The most precise, simple and meaningful sentence for the above sentence is _____.

- A. He keeps from meat
- B. He avoids eating meat
- C. He is a vegetarian ✓ **Correct answer**
- D. He eats meat but in a small quantity

A. Wrong: "He keeps from meat" is not the precise, simple sentence for someone who eats no meat of any kind

B. Wrong: "He avoids eating meat" is close, but "He is a vegetarian" is the most precise

C. Correct: "He is a vegetarian" is the most precise, simple and meaningful sentence for someone who eats no meat of any kind at all

D. Wrong: "He eats meat but in a small quantity" contradicts the sentence — he eats no meat at all

Question 26 English

26. "A stitch in time saves nine." The above sentence consists of a _____.

- A. moral
- B. pun
- C. phrase
- D. proverb ✓ **Correct answer**

A. Wrong: "A stitch in time saves nine" is not a moral (a lesson) as such — it is a proverb

B. Wrong: "A stitch in time saves nine" is not a pun (a play on words)

C. Wrong: "A stitch in time saves nine" is a complete sentence, not a phrase

D. Correct: "A stitch in time saves nine" is a proverb

Question 27 English

27. He drove his car faster than the _____ speed limit.

- A. permitted ✓ **Correct answer**
- B. allowed
- C. minimum
- D. advised

A. Correct (as filed): "faster than the permitted speed limit" — "permitted" is the standard word for a legal speed limit; B "allowed" is also defensible, so A is filed as the bank answer

filed, though defensible. "faster than the allowed speed limit" is also acceptable English — filed under PICK-ONE

C. Wrong: "faster than the minimum speed limit" does not make sense — a minimum limit is a floor, not a ceiling

D. Wrong: "faster than the advised speed limit" is not the standard phrase — the limit is a permitted maximum

Question 28 English

28. Persons in your family who lived a long time ago are called _____.

- A. aldermen
- B. ancestors ✓ **Correct answer**
- C. elderly people
- D. elders

A. Wrong: aldermen are members of a municipal council — not family members who lived long ago

B. Correct: persons in your family who lived a long time ago are called ancestors

C. Wrong: elderly people are old people alive now — not family members who lived long ago

D. Wrong: elders are older people in a community — not family members who lived long ago

Question 29 English

Correct spelling.

- A. bursh
- B. broush
- C. brush ✓ **Correct answer**

A. Wrong: "bursh" is a misspelling of "brush"

B. Wrong: "broush" is a misspelling of "brush"

C. Correct: "brush" is the correct spelling

D. Wrong: "berush" is a misspelling of "brush"

Question 30 English

Correct spelling.

- A. begining
- B. beganing
- C. beguning
- D. beginning ✓ **Correct answer**

A. Wrong: "begining" is a misspelling of "beginning"

B. Wrong: "beganing" is a misspelling of "beginning"

C. Wrong: "beguning" is a misspelling of "beginning"

D. Correct: "beginning" is the correct spelling

Question 31 English

31. As daylight is to the day, so is the twilight to _____.

- A. dusk (evening after the sunset) ✓ **Correct answer**
- B. dawn
- C. the morning
- D. the noon

A. Correct: as daylight belongs to the day, so twilight belongs to dusk (the evening after

B. Wrong: dawn is the morning twilight, not the evening twilight

C. Wrong: the morning is not the counterpart of twilight in this analogy

D. Wrong: the noon is the middle of the day, not the counterpart of twilight

Question 32 English

32. As is listening to the ears so is nervous system to the _____.

- A. heart
- B. brain ✓ **Correct answer**
- C. lungs
- D. kidneys

A. Wrong: the heart is the organ of circulation, not the centre of the nervous system

B. Correct: as listening belongs to the ears, so the nervous system belongs to the brain

C. Wrong: the lungs are the organs of breathing, not the centre of the nervous system

D. Wrong: the kidneys filter the blood, not the centre of the nervous system

Question 33 English

33. As the shutter is to a camera, so are _____ to the eyes.

- A. covers
- B. blinders
- C. lids ✓ **Correct answer**
- D. blinkers

A. Wrong: "covers" is too general — the precise counterpart of a camera shutter is the eyelid

linders are shields for a horse's eyes — not the counterpart of a shutter

C. Correct: as the shutter is to a camera, so are the lids (eyelids) to the eyes

D. Wrong: "blinkers" are shields — not the counterpart of a shutter

Question 34 English

34. As an address and postage are to an envelope, so is command — _____ to an electronic mail.

- A. go
- B. dispatch
- C. send ✓ **Correct answer**
- D. be there

A. Wrong: "go" is not the command used with an electronic mail

B. Wrong: "dispatch" means to send, but the standard command for an electronic mail is "send"

C. Correct: as an address and postage are to an envelope, so is the command to "send" to an electronic mail — "send" is the standard verb for email

D. Wrong: "be there" is not the command used with an electronic mail

Question 35 English

35. As the dial is to a clock or watch, so is _____ to a map or a diagram.

- A. description
- B. detail
- C. key information
- D. legend ✓ **Correct answer**

A. Wrong: a description is not the counterpart of a dial on a map

detail is not the counterpart of a dial on a map

C. Wrong: "key information" describes what a legend gives, but the standard term for it on a map is "legend"

D. Correct: as the dial is to a clock or watch, so is the legend to a map or a diagram — the legend is the key that explains the map's symbols

Question 36 Mathematics

36. 1/3 + 1/6 =

- A. 1/2 ✓ **Correct answer**
- B. 1/4
- C. 1/6
- D. none

A. Correct: 1/3 + 1/6 = 2/6 + 1/6 = 3/6 = 1/2

B. Wrong: 1/3 + 1/6 is 1/2, not 1/4

C. Wrong: 1/3 + 1/6 is 1/2, not 1/6

D. Wrong: 1/3 + 1/6 is 1/2, which is option A — not "none"

Question 37 Mathematics

37. 117 × 113 =

- A. 13219
- B. 13221 ✓ **Correct answer**
- C. 13226
- D. none

A. Wrong: 117 × 113 is 13,221, not 13,219

B. Correct: 117 × 113 = 13,221

7 × 113 is 13,221, not 13,226

D. Wrong: 117 × 113 is 13,221, which is option B — not "none"

Question 38 Mathematics

38. 580 × 99 =

- A. 57120
- B. 57130
- C. 55420
- D. none ✓ **Correct answer**

A. Wrong: 580 × 99 is 57,420, not 57,120

B. Wrong: 580 × 99 is 57,420, not 57,130

C. Wrong: 580 × 99 is 57,420, not 55,420

D. Correct: 580 × 99 = 57,420, which is none of A, B or C — so the answer is "none"

Question 39 Mathematics

39. If $p(x) = x^3 - 2x - 1$, then $p(-1) =$ _____

- A. −1
- B. 0 ✓ **Correct answer**
- C. 1
- D. none

A. Wrong: $p(-1) = (-1)^3 - 2(-1) - 1 = -1 + 2 - 1 = 0$, not −1

B. Correct: $p(-1) = (-1)^3 - 2(-1) - 1 = -1 + 2 - 1 = 0$

C. Wrong: $p(-1) = 0$, not 1

D. Wrong: $p(-1) = 0$, which is option B — not "none"

40 Mathematics

40. If $|x| = -3$ then solution is

- A. -3
- B. 3
- C. impossible ✓ **Correct answer**
- D. none

A. Wrong: $|x|$ can never equal -3 — an absolute value is never negative

B. Wrong: $|x|$ can never equal -3 — an absolute value is never negative

C. Correct: $|x| = -3$ has no solution — an absolute value is never negative, so the solution is impossible

D. Wrong: the solution is impossible (option C), not "none"

Question 41 Mathematics

41. $\sqrt{(5\ 1/16)} + \sqrt{(3\ 1/16)} =$

- A. 4 ✓ **Correct answer**
- B. 5
- C. 6
- D. none

A. Correct: $\sqrt{(5\ 1/16)} = \sqrt{(81/16)} = 9/4$ and $\sqrt{(3\ 1/16)} = \sqrt{(49/16)} = 7/4$, so the sum is $9/4 + 7/4 = 16/4 = 4$

B. Wrong: $\sqrt{(81/16)} + \sqrt{(49/16)}$ is 4, not 5

C. Wrong: $\sqrt{(81/16)} + \sqrt{(49/16)}$ is 4, not 6

D. Wrong: the sum is 4, which is option A — not "none"

42 Mathematics

42. log base 3 of 5 =

- A. −1
- B. 0
- C. 1
- D. none ✓ **Correct answer**

A. Wrong: log base 3 of 5 is about 1.46, not −1

B. Wrong: log base 3 of 5 is about 1.46, not 0

C. Wrong: log base 3 of 5 is about 1.46, not 1

D. Correct: log base 3 of 5 is about 1.46, which is none of −1, 0 or 1 — so the answer is "none"

Question 43 Mathematics

43. [[3, 5], [6, 10]] is _____ matrix:

- A. identity
- B. singular ✓ **Correct answer**
- C. non-singular
- D. none

A. Wrong: an identity matrix has 1s on the diagonal and 0s elsewhere — this matrix does not

B. Correct: the determinant is 3 × 10 − 5 × 6 = 30 − 30 = 0, so the matrix is singular

C. Wrong: the determinant is 0, so the matrix is singular, not non-singular

D. Wrong: the matrix is singular (option B), not "none"

44 Mathematics

44. $\sin^2\theta + \cos^2\theta =$

- A. 1 ✓ **Correct answer**
- B. 0
- C. −1
- D. none

A. Correct: $\sin^2\theta + \cos^2\theta = 1$ (the Pythagorean identity)

B. Wrong: $\sin^2\theta + \cos^2\theta$ is 1, not 0

C. Wrong: $\sin^2\theta + \cos^2\theta$ is 1, not −1

D. Wrong: $\sin^2\theta + \cos^2\theta$ is 1, which is option A — not "none"

Question 45 Mathematics

45. $0^0 =$

- A. 1
- B. 0
- C. meaningless ✓ **Correct answer**
- D. none

A. Wrong: 0^0 is not 1 — it is undefined (indeterminate)

B. Wrong: 0^0 is not 0 — it is undefined (indeterminate)

C. Correct: 0^0 is undefined (indeterminate) — in the paper's terms, meaningless

D. Wrong: 0^0 is meaningless (option C), not "none"

Question 46 Mathematics

46. How many even prime numbers are there?

- B. 4
- C. 5
- D. none

A. Correct: 2 is the only even prime number, so there is 1 even prime number

B. Wrong: there is only 1 even prime number (2), not 4

C. Wrong: there is only 1 even prime number (2), not 5

D. Wrong: there is 1 even prime number (2), which is option A — not "none"

Question 47 Mathematics

47. 0.5 + 7/2 =

- A. 11
- B. 3
- C. −1
- D. none ✓ **Correct answer**

A. Wrong: 0.5 + 7/2 = 0.5 + 3.5 = 4, not 11

B. Wrong: 0.5 + 7/2 = 4, not 3

C. Wrong: 0.5 + 7/2 = 4, not −1

D. Correct: 0.5 + 7/2 = 0.5 + 3.5 = 4, which is none of A, B or C — so the answer is "none"

Question 48 Mathematics

48. $\sqrt{(12^2 + 5^2)}$ =

- A. 13 ✓ **Correct answer**
- B. 15
- C. 17

A. Correct: $\sqrt{(12^2 + 5^2)} = \sqrt{(144 + 25)} = \sqrt{169} = 13$

B. Wrong: $\sqrt{(144 + 25)} = \sqrt{169} = 13$, not 15

C. Wrong: $\sqrt{(144 + 25)} = \sqrt{169} = 13$, not 17

D. Wrong: the value is 13, which is option A — not "none"

Question 49 Mathematics

49. $15\sqrt{16} \times 2\sqrt{25}$ =

- A. 60
- B. 600 ✓ **Correct answer**
- C. 900
- D. none

A. Wrong: $15\sqrt{16} \times 2\sqrt{25} = 15 \times 4 \times 2 \times 5 = 600$, not 60

B. Correct: $15\sqrt{16} \times 2\sqrt{25} = (15 \times 4) \times (2 \times 5) = 60 \times 10 = 600$

C. Wrong: $15\sqrt{16} \times 2\sqrt{25} = 600$, not 900

D. Wrong: the value is 600, which is option B — not "none"

Question 50 Mathematics

50. Least common multiple of 21 and 35 is:

- A. 63
- B. 70
- C. 105 ✓ **Correct answer**
- D. none

A. Wrong: 63 is not a multiple of 35, so it is not the LCM of 21 and 35

) is a multiple of 35 but not of 21, so it is not the LCM of 21 and 35

C. Correct: the LCM of 21 (3 × 7) and 35 (5 × 7) is 3 × 5 × 7 = 105

D. Wrong: the LCM is 105, which is option C — not "none"

Question 51 Mathematics

51. 30% × 40% =

- A. 12% ✓ **Correct answer**
- B. 120%
- C. 1200%
- D. none

A. Correct: 30% × 40% = 0.30 × 0.40 = 0.12 = 12%

B. Wrong: 30% × 40% is 12%, not 120%

C. Wrong: 30% × 40% is 12%, not 1200%

D. Wrong: the value is 12%, which is option A — not "none"

Question 52 Mathematics

52. If x/6 + x/3 = 1, then x = _____

- A. 0.5
- B. 1
- C. 2 ✓ **Correct answer**
- D. none

A. Wrong: if x = 0.5, then x/6 + x/3 = 0.25, not 1

B. Wrong: if x = 1, then x/6 + x/3 = 0.5, not 1

C. Correct: x/6 + x/3 = x/6 + 2x/6 = 3x/6 = x/2 = 1, so x = 2

= 2, which is option C — not "none"

Question 53 Mathematics

53. $9x^2 - 12xy + 4y^2 =$

- A. $(3x - 2y)^2$ ✓ **Correct answer**
- B. $(3x + 2y)^2$
- C. $3x - 2y$
- D. none

A. Correct: $(3x - 2y)^2 = 9x^2 - 12xy + 4y^2$

B. Wrong: $(3x + 2y)^2 = 9x^2 + 12xy + 4y^2$, not $9x^2 - 12xy + 4y^2$

C. Wrong: $3x - 2y$ is not squared — the expression is a perfect square, $(3x - 2y)^2$

D. Wrong: the value is $(3x - 2y)^2$, which is option A — not "none"

Question 54 Mathematics

54. $[[3, 2], [4, 5]] + [[-2, -2], [-4, -4]] =$

- A. $[[0, 1], [1, 0]]$
- B. $[[1, 0], [0, 1]]$ ✓ **Correct answer**
- C. $[[5, 4], [8, 9]]$
- D. none

A. Wrong: adding the matrices gives $[[1, 0], [0, 1]]$, not $[[0, 1], [1, 0]]$

B. Correct: $[[3, 2], [4, 5]] + [[-2, -2], [-4, -4]] = [[3-2, 2-2], [4-4, 5-4]] = [[1, 0], [0, 1]]$

C. Wrong: $[[5, 4], [8, 9]]$ is the result of adding the matrices without the minus signs, not the correct sum

D. Wrong: the sum is $[[1, 0], [0, 1]]$, which is option B — not "none"

55 Mathematics

55. $(0.25)^2$ =

- A. 0.0625 ✓ **Correct answer**
- B. 2.25
- C. 625
- D. none

A. Correct: $(0.25)^2 = 0.25 \times 0.25 = 0.0625$

B. Wrong: $(0.25)^2$ is 0.0625, not 2.25

C. Wrong: $(0.25)^2$ is 0.0625, not 625

D. Wrong: the value is 0.0625, which is option A — not "none"

Question 56 Mathematics

56. 1 (one) is a _____ number:

- A. prime
- B. composite
- C. even
- D. none ✓ **Correct answer**

A. Wrong: 1 is not prime — a prime number has exactly two factors, and 1 has only one factor

B. Wrong: 1 is not composite — a composite number has more than two factors

C. Wrong: 1 is not even — it is odd

D. Correct: 1 is neither prime nor composite (and not even), so the answer is "none"

57 Mathematics

57. In a school with the same number of males and females, 1/8 of the females and 5/6 of the males are teachers. What part of the school consists of the females who are not teachers?

- A. 1/12
- B. 1/14
- C. 7/16 ✓ **Correct answer**
- D. none

A. Wrong: the females who are not teachers are (1 − 1/8) of the females, which is 7/8 of half the school = 7/16, not 1/12

B. Wrong: the females who are not teachers are 7/16 of the school, not 1/14

C. Correct: let the number of females = the number of males = 1 unit; the school has 2 units. Females who are not teachers = (1 − 1/8) × 1 = 7/8 of a unit, which is (7/8)/2 = 7/16 of the school

D. Wrong: the answer is 7/16, which is option C — not "none"

Question 58 Mathematics

58. If 5 meters of a cloth cost Rs. 50, how many meters of the cloth can be purchased for Rs. 750?

- A. 15
- B. 25
- C. 35
- D. none ✓ **Correct answer**

A. Wrong: 5 meters cost Rs. 50, so 1 meter costs Rs. 10, and Rs. 750 buys 75 meters, not 15

B. Wrong: Rs. 750 buys 75 meters, not 25

D. Correct: 1 meter costs 50/5 = Rs. 10, so Rs. 750 buys 750/10 = 75 meters, which is none of A, B or C — so the answer is "none"

Question 59 Mathematics

59. The value of tan (45°) =

- A. −1
- B. 1/2
- C. 1 ✓ **Correct answer**
- D. none

A. Wrong: tan 45° is 1, not −1

B. Wrong: tan 45° is 1, not 1/2

C. Correct: tan 45° = 1

D. Wrong: tan 45° is 1, which is option C — not "none"

Question 60 Mathematics

60. If a pipe takes 20 minutes to fill 5/8 of a hole, how many minutes will it take to fill the rest of the hole at the same rate?

- A. 6
- B. 12 ✓ **Correct answer**
- C. 16
- D. none

A. Wrong: 5/8 of the hole takes 20 minutes, so 1/8 takes 4 minutes and the rest (3/8) takes 12 minutes, not 6

B. Correct: 5/8 of the hole takes 20 minutes, so 1/8 takes 20/5 = 4 minutes; the rest is 3/8,

3 × 4 = 12 minutes

C. Wrong: the rest (3/8) takes 12 minutes, not 16

D. Wrong: the rest takes 12 minutes, which is option B — not "none"

Question 61 Mathematics

61. The price of a loaf of bread was increased by 20%. How many loaves can be purchased for the amount of money that was spent to buy 300 loaves?

- A. 250 ✓ **Correct answer**
- B. 240
- C. 220
- D. none

A. Correct: the new price is 1.2 times the old price, so the same money buys 300/1.2 = 250 loaves

B. Wrong: the same money buys 300/1.2 = 250 loaves, not 240

C. Wrong: the same money buys 300/1.2 = 250 loaves, not 220

D. Wrong: the answer is 250, which is option A — not "none"

Question 62 Mathematics

62. How much time does a train take that covers 783 miles with speed 87 miles/hours?

- A. 14 hours
- B. 12 hours
- C. 9 hours ✓ **Correct answer**
- D. none

A. Wrong: 783/87 = 9 hours, not 14 hours

B. Wrong: 783/87 = 9 hours, not 12 hours

me = distance/speed = 783/87 = 9 hours

D. Wrong: the time is 9 hours, which is option C — not "none"

Question 63 Mathematics

63. The highest common factor of $x-y$ and x^2-y^2 is:

- A. $x-y$ ✓ **Correct answer**
- B. $x+y$
- C. x^2+y^2
- D. none

A. Correct: $x^2-y^2 = (x-y)(x+y)$, so the highest common factor of $x-y$ and x^2-y^2 is $x-y$

B. Wrong: $x+y$ divides x^2-y^2 but not $x-y$, so it is not the HCF

C. Wrong: x^2+y^2 divides neither $x-y$ nor x^2-y^2

D. Wrong: the HCF is $x-y$, which is option A — not "none"

Question 64 Mathematics

64. The average (arithmetic mean) of 5, 15, 25 and y is 20. What is the value of y?

- A. 50
- B. 45
- C. 35 ✓ **Correct answer**
- D. none

A. Wrong: (5 + 15 + 25 + 50)/4 = 23.75, not 20

B. Wrong: (5 + 15 + 25 + 45)/4 = 22.5, not 20

C. Correct: (5 + 15 + 25 + y)/4 = 20 gives 45 + y = 80, so y = 35

D. Wrong: y = 35, which is option C — not "none"

65 Mathematics

65. A triangle has _____ diagonals:

- A. 1
- B. 2
- C. 3
- D. none ✓ **Correct answer**

A. Wrong: a triangle has no diagonals — a diagonal joins two non-adjacent vertices, and a triangle has no non-adjacent vertices

B. Wrong: a triangle has no diagonals

C. Wrong: a triangle has no diagonals

D. Correct: a triangle has 0 diagonals, so the answer is "none"

Question 66 Mathematics

66. Formula for the volume of a cube that has side x is:

- A. x^3 ✓ **Correct answer**
- B. x^2
- C. x
- D. none

A. Correct: the volume of a cube of side x is x^3

B. Wrong: x^2 is the area of a square face, not the volume of the cube

C. Wrong: x is the side length, not the volume

D. Wrong: the volume is x^3, which is option A — not "none"

67 Mathematics

67. What is the diameter of circle whose circumference is 36π?

- A. 10
- B. 18
- C. 36 ✓ **Correct answer**
- D. none

A. Wrong: circumference = π × diameter, so diameter = 36π/π = 36, not 10

B. Wrong: diameter = 36, not 18 (18 is the radius)

C. Correct: circumference = π × diameter, so diameter = 36π/π = 36

D. Wrong: the diameter is 36, which is option C — not "none"

Question 68 Mathematics

68. 4/9 of a number is 23, what is 8/9 of that number?

- A. 47
- B. 46 ✓ **Correct answer**
- C. 45
- D. none

A. Wrong: 8/9 is twice 4/9, so it is 2 × 23 = 46, not 47

B. Correct: 8/9 is twice 4/9, so 8/9 of the number is 2 × 23 = 46

C. Wrong: 8/9 is twice 4/9, so it is 46, not 45

D. Wrong: the answer is 46, which is option B — not "none"

Question 69 Mathematics

69. Formula for the perimeter of a square that has side x is:

- B. 3x
- C. x
- D. none ✓ **Correct answer**

A. Wrong: the perimeter of a square of side x is 4x, not 5x

B. Wrong: the perimeter of a square of side x is 4x, not 3x

C. Wrong: the perimeter of a square of side x is 4x, not x

D. Correct: the perimeter of a square of side x is 4x, which is none of A, B or C — so the answer is "none"

Question 70 Mathematics

70. If 40 students took an exam out of which 38 passed, what percent of them failed?

- A. 5% ✓ **Correct answer**
- B. 10%
- C. 15%
- D. none

A. Correct: 2 of 40 failed, so the failure rate is 2/40 × 100 = 5%

B. Wrong: 2 of 40 failed is 5%, not 10%

C. Wrong: 2 of 40 failed is 5%, not 15%

D. Wrong: the failure rate is 5%, which is option A — not "none"

Question 71 General Knowledge

71. Rate of change of displacement per unit time is called _____.

- A. acceleration
- B. momentum

- D. energy

A. Wrong: acceleration is the rate of change of velocity, not of displacement

B. Wrong: momentum is mass × velocity, not the rate of change of displacement

C. Correct: velocity is the rate of change of displacement per unit time

D. Wrong: energy is the capacity to do work, not the rate of change of displacement

Question 72 General Knowledge

72. Solar energy is obtained from the _____.

- A. moon
- B. sun ✓ **Correct answer**
- C. sea
- D. dam

A. Wrong: solar energy is not obtained from the moon

B. Correct: solar energy is obtained from the sun

C. Wrong: solar energy is not obtained from the sea

D. Wrong: solar energy is not obtained from a dam

Question 73 General Knowledge

73. Three laws of linear motion were discovered by _____.

- A. Galileo
- B. Dalton
- C. Einstein
- D. Newton ✓ **Correct answer**

B. Wrong: Dalton is known for atomic theory, not the laws of motion

C. Wrong: Einstein is known for relativity, not the three laws of linear motion

D. Correct: the three laws of linear motion were discovered by Newton

Question 74 General Knowledge

74. A stick looks bent when it is partly put in water due to _____.

- A. Reflection
- B. Refraction ✓ **Correct answer**
- C. Dispersion
- D. Density

A. Wrong: reflection is light bouncing off a surface — it does not make a stick look bent in water

B. Correct: a stick looks bent when partly put in water due to refraction — light bends as it passes from water to air

C. Wrong: dispersion is the splitting of light into colours — it does not make a stick look bent

D. Wrong: density does not make a stick look bent in water

Question 75 General Knowledge

75. Electric current is measured by _____.

- A. Anemometer
- B. Voltmeter
- C. Ammeter ✓ **Correct answer**
- D. Thermometer

an anemometer measures wind speed, not electric current

B. Wrong: a voltmeter measures voltage, not electric current

C. Correct: electric current is measured by an ammeter

D. Wrong: a thermometer measures temperature, not electric current

Question 76 General Knowledge

76. The chemical formula for Sulphuric acid is _____.

- A. NH3
- B. H2SO4 ✓ **Correct answer**
- C. Nacl
- D. Na2CO3

A. Wrong: NH3 is the formula for ammonia, not sulphuric acid

B. Correct: the chemical formula for sulphuric acid is H2SO4

C. Wrong: NaCl is the formula for common salt, not sulphuric acid

D. Wrong: Na2CO3 is the formula for sodium carbonate, not sulphuric acid

Question 77 General Knowledge

77. Laughing gas is chemically known as _____.

- A. Carbon dioxide
- B. Sulpher dioxide
- C. Nitrous oxide ✓ **Correct answer**
- D. none

A. Wrong: carbon dioxide is not laughing gas

B. Wrong: sulphur dioxide is not laughing gas

ughing gas is chemically nitrous oxide

D. Wrong: laughing gas is nitrous oxide, which is option C — not "none"

Question 78 General Knowledge

78. _____ is the good conductor of electricity.

- A. Copper
- B. Mica
- C. Silver ✓ **Correct answer**
- D. Zinc

A. Wrong: copper is a good conductor, but silver is the best conductor of electricity

B. Wrong: mica is an insulator, not a conductor of electricity

C. Correct: silver is the best conductor of electricity

D. Wrong: zinc is a conductor, but silver is the best conductor of electricity

Question 79 General Knowledge

79. The gas usually filled in electric bulbs is _____.

- A. Nitrogen ✓ **Correct answer**
- B. Hydrogen
- C. Oxygen
- D. Helium

A. Correct: electric bulbs are usually filled with nitrogen (an inert gas, sometimes argon) — of the options, nitrogen is the gas used

B. Wrong: hydrogen is not filled in electric bulbs

C. Wrong: oxygen is not filled in electric bulbs — it would burn the filament

elium is not filled in electric bulbs

Question 80 General Knowledge

80. Mass of an object divided by its volume is called _____.

- A. weight
- B. gravity
- C. thickness
- D. density ✓ **Correct answer**

A. Wrong: weight is mass × gravity, not mass divided by volume

B. Wrong: gravity is a force, not mass divided by volume

C. Wrong: thickness is a dimension, not mass divided by volume

D. Correct: mass divided by volume is density

Question 81 General Knowledge

81. The year 2006 Nobel Laureate from Bangladesh for peace prize is _____.

- A. Dr. Abdul Salam
- B. Dr. A.Q Khan
- C. Dr. Muhammad Younus ✓ **Correct answer**
- D. Edmund S. Phelps

A. Wrong: Dr. Abdul Salam won the Nobel Prize in Physics (1979), not the 2006 Peace Prize

B. Wrong: Dr. A.Q. Khan did not win a Nobel Prize

C. Correct: Dr. Muhammad Yunus of Bangladesh won the Nobel Peace Prize in 2006 (the paper spells it "Younus")

D. Wrong: Edmund S. Phelps won the Nobel Prize in Economics (2006), not the Peace Prize

82 General Knowledge

82. Larkana and Jacobabad Districts are known for _____ produce.

- A. maize
- B. wheat
- C. rice ✓ **Correct answer**
- D. sugar

A. Wrong: Larkana and Jacobabad are not known for maize

B. Wrong: Larkana and Jacobabad are not known for wheat

C. Correct: Larkana and Jacobabad Districts are known for rice produce

D. Wrong: Larkana and Jacobabad are not known for sugar

Question 83 General Knowledge

83. Basmati rice is grown mostly in _____.

- A. Punjab ✓ **Correct answer**
- B. Sindh
- C. NWFP
- D. Baluchistan

A. Correct: Basmati rice is grown mostly in Punjab

B. Wrong: Basmati rice is grown mostly in Punjab, not Sindh

C. Wrong: Basmati rice is grown mostly in Punjab, not NWFP

D. Wrong: Basmati rice is grown mostly in Punjab, not Baluchistan

Question 84 General Knowledge

84. Tharparkar is known mostly for _____ produce.

- B. cotton
- C. gram
- D. bajra ✓ **Correct answer**

A. Wrong: Tharparkar is not known mostly for maize

B. Wrong: Tharparkar is not known mostly for cotton

C. Wrong: Tharparkar is not known mostly for gram

D. Correct: Tharparkar is known mostly for bajra (pearl millet) produce

Question 85 General Knowledge

85. The head of the State Bank of Pakistan is called _____.

- A. Chief Executive
- B. Governor ✓ **Correct answer**
- C. General Manager
- D. President

A. Wrong: the head of the State Bank of Pakistan is not called the Chief Executive

B. Correct: the head of the State Bank of Pakistan is called the Governor

C. Wrong: the head of the State Bank of Pakistan is not called the General Manager

D. Wrong: the head of the State Bank of Pakistan is not called the President

Question 86 General Knowledge

86. The head office of Habib Bank is located at _____.

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

A. Wrong: the head office of Habib Bank is not in Islamabad

B. Wrong: the head office of Habib Bank is not in Lahore

C. Correct: the head office of Habib Bank is in Karachi

D. Wrong: the head office of Habib Bank is not in Quetta

Question 87 General Knowledge

87. Rabi is the crop in the months of _____.

- A. October through March ✓ **Correct answer**
- B. April through October
- C. September through December
- D. January through April

A. Correct: the Rabi crop season is October through March

B. Wrong: April through October is the Kharif crop season, not Rabi

C. Wrong: the Rabi crop season is October through March, not September through December

D. Wrong: the Rabi crop season is October through March, not January through April

Question 88 General Knowledge

88. _____ is the key industry of Pakistan.

- A. Cement
- B. Sugar
- C. Textile ✓ **Correct answer**
- D. Agriculture

ment is not the key industry of Pakistan

B. Wrong: sugar is not the key industry of Pakistan

C. Correct: textile is the key industry of Pakistan

D. Wrong: agriculture is the largest sector of Pakistan's economy, but the key industry is textile

Question 89 General Knowledge

89. The Sukkur Barrage was constructed in _____.

- A. 1932 ✓ **Correct answer**
- B. 1942
- C. 1952
- D. 1962

A. Correct: the Sukkur Barrage was constructed in 1932

B. Wrong: the Sukkur Barrage was constructed in 1932, not 1942

C. Wrong: the Sukkur Barrage was constructed in 1932, not 1952

D. Wrong: the Sukkur Barrage was constructed in 1932, not 1962

Question 90 General Knowledge

90. _____ is the first bank of Pakistan.

- A. State Bank ✓ **Correct answer**
- B. National Bank
- C. Habib Bank
- D. MCBank

A. Correct: the State Bank of Pakistan, established in 1948, is the first bank of Pakistan

e National Bank of Pakistan was established in 1949, after the State Bank

C. Wrong: Habib Bank was founded in 1941 in Bombay, before Pakistan existed — it is the first commercial bank, but the State Bank is the first bank of Pakistan

D. Wrong: MCB (Muslim Commercial Bank) was established in 1947, after the State Bank's founding as the central bank

Question 91 General Knowledge

91. Who named the Holy Prophet (PBUH) "Muhammad"?

- A. Father
- B. Mother
- C. Uncle
- D. Grandfather ✓ **Correct answer**

A. Wrong: the Holy Prophet's father (Abdullah) died before he was born and did not name him

B. Wrong: his mother (Amina) did not name him Muhammad

C. Wrong: his uncle (Abu Talib) did not name him Muhammad

D. Correct: his grandfather Abdul Muttalib named him Muhammad

Question 92 General Knowledge

92. Sindh was separated from Bombay in _____.

- A. 1929
- B. 1930
- C. 1932
- D. 1936 ✓ **Correct answer**

A. Wrong: Sindh was separated from Bombay in 1936, not 1929

ndh was separated from Bombay in 1936, not 1930

C. Wrong: Sindh was separated from Bombay in 1936, not 1932

D. Correct: Sindh was separated from the Bombay Presidency in 1936 (under the Government of India Act 1935, effective 1 April 1936)

Question 93 General Knowledge

93. Chaghi is located in the division of _____.

- A. Qalat
- B. Sibbi
- C. Quetta ✓ **Correct answer**
- D. Khuzdar

A. Wrong: Chaghi is not in Qalat Division

B. Wrong: Chaghi is not in Sibi Division

C. Correct: Chaghi is located in Quetta Division

D. Wrong: Chaghi is not in Khuzdar Division

Question 94 General Knowledge

94. Ghulam Ishaq Khan (GIK) Institute is located at _____.

- A. Lucky Murwat
- B. Mansehra
- C. Abbotabad
- D. Topi ✓ **Correct answer**

A. Wrong: the GIK Institute is not in Lucky Marwat

B. Wrong: the GIK Institute is not in Mansehra

e GIK Institute is not in Abbottabad

D. Correct: the Ghulam Ishaq Khan Institute is located at Topi, Swabi

Question 95 General Knowledge

95. Camera was invented after the mechanism of human _____.

- A. ears
- B. brain
- C. eyes ✓ **Correct answer**
- D. heart

A. Wrong: the camera was not invented after the mechanism of human ears

B. Wrong: the camera was not invented after the mechanism of the human brain

C. Correct: the camera was invented after the mechanism of the human eye

D. Wrong: the camera was not invented after the mechanism of the human heart

Question 96 General Knowledge

96. The physical parts of computer systems are called _____.

- A. data
- B. hardware ✓ **Correct answer**
- C. software
- D. programs

A. Wrong: data is information, not the physical parts of a computer system

B. Correct: the physical parts of computer systems are called hardware

C. Wrong: software is the programs, not the physical parts of a computer system

D. Wrong: programs are software, not the physical parts of a computer system

97 General Knowledge

97. Sunflower is grown in gardens and fields for _____.

- A. forage
- B. oil ✓ **Correct answer**
- C. vegetable
- D. herbal medicines

A. Wrong: sunflower is not grown mainly for forage

B. Correct: sunflower is grown in gardens and fields for oil

C. Wrong: sunflower is not grown mainly as a vegetable

D. Wrong: sunflower is not grown mainly for herbal medicines

Question 98 General Knowledge

98. Ushr is an Arabic word. What does it mean?

- A. 1/10th ✓ **Correct answer**
- B. 1/4th
- C. 1/3rd
- D. 1/2

A. Correct: Ushr means one-tenth (1/10th) — the Islamic tithe on agricultural produce

B. Wrong: Ushr means 1/10th, not 1/4th

C. Wrong: Ushr means 1/10th, not 1/3rd

D. Wrong: Ushr means 1/10th, not 1/2

Question 99 General Knowledge

99. Jesus Christ narrated the parables of the Bible in the _____ language.

- B. Slavic
- C. Hebrew ✓ **Correct answer**
- D. Gaelic

A. Wrong: Dravidian is a language family of South India — not the language of the parables

B. Wrong: Slavic is a language family of Eastern Europe — not the language of the parables

C. Correct: of the options, Hebrew is the language of the Bible (its Old Testament) and the closest to the language Jesus used — Aramaic, the actual language, is not offered

D. Wrong: Gaelic is a Celtic language — not the language of the parables

Question 100 General Knowledge

100. The initials CT stand for _____.

- A. Character of Teacher
- B. Curriculum of Teaching
- C. Certificate of Teaching ✓ **Correct answer**
- D. Calibre of Teacher

A. Wrong: CT does not stand for "Character of Teacher"

B. Wrong: CT does not stand for "Curriculum of Teaching"

C. Correct: CT stands for "Certificate of Teaching"

D. Wrong: CT does not stand for "Calibre of Teacher"

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