Inspector Investigation, Federal Investigation Agency (FIA) — 2019 · Solved Past Paper

Body: Federal Public Service Commission (FPSC) · **Post:** Inspector Investigation, Federal Investigation Agency (FIA) · **Year:** 2019 · **Questions:** 100 in the original paper — **98 solved and verified**, 2 excluded as defective (Q63, Q82) · **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 2019 sitting.

Source note: Imtiaz Shahid book, 50th edition, Model Paper 48 (Inspector Investigation FIA 2019 Batch-2, 100 questions), Scribd doc 502354168, viewer pages 201-205 (book pp. 210-214), fetched 14 Nov 2026, with the book's printed Answer Key 1-96; Q97-Q100 blank in the printed key (verified at enlarged size), each resolved by ONE independent web source or worked logic. 36 printed-key corrections (Q8, Q12, Q18, Q21, Q23, Q30, Q35, Q43, Q44, Q46, Q52, Q53, Q56, Q57, Q58, Q60, Q61, Q62, Q64, Q67, Q71, Q74, Q76, Q77, Q78, Q81, Q83, Q84, Q86, Q87, Q89, Q90, Q92, Q93, Q95, Q96) — the printed key is wrong on 36 of 96 entries, found by a full key-by-key comparison. Q63 and Q82 are DEFECTIVE-excluded (no correct option). Q54 key A and Q73 key A were checked against independent sources and found CORRECT. Dedup 14 Nov 2026: 0 exact full-text matches and 0 near matches (>=0.90) against the live Inspector FIA 2019 Batch-1 (91 questions) and Batch-3 (83 questions) papers; paper_id fpsc-fia-inspector-batch-2-2019 is not live.

Question 1 English

It _____ outside for half an hour.

- B. is hailing
- C. has been hailing ✓ **Correct answer**
- D. was hailing

A. 'Hail' alone does not fit the continuous time phrase 'for half an hour'.

B. 'Is hailing' is present continuous, but the action started half an hour ago and continues, which needs the perfect continuous.

C. The action began half an hour ago and is still going on, so the present perfect continuous 'has been hailing' is correct.

D. 'Was hailing' is past continuous and does not fit an action continuing to the present.

Question 2 English

Tick the synonyms Mellow

- A. crux
- B. soft ✓ **Correct answer**
- C. dry
- D. hard

A. Crux means the central point, not mellow.

B. Mellow means soft, gentle and mild in tone or manner, so 'soft' is its synonym.

C. Dry is the opposite of mellow in this sense.

D. Hard is the opposite of mellow.

Question 3 English

Tick the synonyms despised

- A. reaction

- C. concealed
- D. disapproving ✓ **Correct answer**

A. Reaction means a response, not despised.

B. Cunning means sly, not despised.

C. Concealed means hidden, not despised.

D. Despised means regarded with contempt or dislike, which is closest to 'disapproving'.

Question 4 English

Take antonym polarize

- A. scatter
- B. unite ✓ **Correct answer**
- C. disperse
- D. chill

A. Scatter means to spread apart, which is closer to polarize than its opposite.

B. To polarize is to divide into opposing groups; its antonym is to unite.

C. Disperse means to scatter, which is not the opposite of polarize.

D. Chill means to cool, which is unrelated to polarize.

Question 5 English

We should not _____ the poor.

- A. look down
- B. look down upon ✓ **Correct answer**
- C. look upon
- D. None of these

'n' alone is incomplete without the preposition here.

B. 'Look down upon' means to despise or treat with contempt, which fits the sentence.

C. 'Look upon' means to regard, not to despise.

D. There is a correct option, so none of these is wrong.

Question 6 English

Synonym of "Smudge" is:

- A. blur ✓ **Correct answer**
- B. vivid
- C. rough
- D. None of these

A. A smudge is a dirty mark that blurs or smears, so 'blur' is its synonym.

B. Vivid means bright and clear, the opposite of a smudge.

C. Rough means uneven in surface, not a smudge.

D. There is a correct option, so none of these is wrong.

Question 7 English

Synonym of "crumble" is:

- A. disintegrate ✓ **Correct answer**
- B. unite
- C. yield
- D. None of these

A. To crumble is to break into small pieces, which is to disintegrate.

B. Unite means to join together, the opposite of crumble.

ns to give way or produce, not to crumble.

D. There is a correct option, so none of these is wrong.

Question 8 English

Synonym of 'glide' is

- A. to move smoothly ✓ **Correct answer**
- B. guide
- C. stagnant
- D. None of these

A. To glide is to move smoothly, continuously and effortlessly (Merriam-Webster).

PRINTED-KEY CORRECTION: the book key B is wrong.

B. Guide means to lead or direct, not to glide.

C. Stagnant means still and not moving, the opposite of glide.

D. There is a correct option, so none of these is wrong.

Question 9 English

Antonym of "erratic" is:

- A. consistent ✓ **Correct answer**
- B. movable
- C. cramped
- D. None of these

A. Erratic means irregular and unpredictable; its antonym is consistent.

B. Movable means able to be moved, not the opposite of erratic.

C. Cramped means crowded, not the opposite of erratic.

correct option, so none of these is wrong.

Question 10 English

Antonym of "compatible" is:

- A. friendly
- B. different in temperament ✓ **Correct answer**
- C. open
- D. None of these

A. Friendly means kind, not the opposite of compatible.

B. Compatible means able to get along well; its opposite is being different in temperament, unable to agree.

C. Open means frank or accessible, not the opposite of compatible.

D. There is a correct option, so none of these is wrong.

Question 11 English

Antonym of "emancipate" is:

- A. liberate
- B. locate
- C. enslave ✓ **Correct answer**
- D. None of these

A. Liberate is a synonym of emancipate, not its antonym.

B. Locate means to find, not the opposite of emancipate.

C. To emancipate is to set free; its antonym is to enslave.

D. There is a correct option, so none of these is wrong.

Question 12 English

The idiom 'to face the music' means

- A. to hear the music
- B. to watch movie
- C. to face the reality ✓ **Correct answer**
- D. None of these

A. Hearing the music is the literal sense, not the idiom's meaning.

B. Watching a movie has nothing to do with this idiom.

C. To face the music means to face reality and accept the consequences of one's actions.

PRINTED-KEY CORRECTION: the book key D is wrong.

D. There is a correct option, so none of these is wrong.

Question 13 English

The idiom 'Piece of cake' means:

- A. easy task ✓ **Correct answer**
- B. unpleasant situation
- C. something disordered
- D. None of these

A. A piece of cake means something very easy to do.

B. An unpleasant situation is not what 'piece of cake' means.

C. Something disordered is not what 'piece of cake' means.

D. There is a correct option, so none of these is wrong.

14 English

Choose the correct sentence

- A. The earth moves around the sun ✓ **Correct answer**
- B. The earth moved around the sum
- C. These grapes tasting sour
- D. None of these

A. The earth moves around the sun is grammatically correct and factually true.

B. This option prints 'the sum' for 'the sun' and uses the wrong tense for a universal truth; filed as printed.

C. 'These grapes tasting sour' has no finite verb and is incomplete.

D. There is a correct option, so none of these is wrong.

Question 15 English

Choose the correct sentence

- A. These grapes are tasting sour
- B. These grapes taste sour ✓ **Correct answer**
- C. These grapes tasting sour
- D. None of these

A. 'Are tasting' is wrong: taste as a sense verb is not used in the continuous form here.

B. 'These grapes taste sour' is the correct form for a sense verb.

C. This option has no finite verb and is incomplete.

D. There is a correct option, so none of these is wrong.

16 English

Choose the correct sentence

- A. I can ran farther than you can ✓ **Correct answer**
- B. I can non further that you can
- C. I can ran farther you can
- D. None of these

A. This option has the intended sentence structure ('I can run farther than you can'); 'ran' is a print error for 'run' in the book, filed as printed. PRINTED-KEY CONFIRMED: the key A matches the intended sentence.

B. This option is garbled in the book ('non further that you can'); filed as printed.

C. This option is missing 'than' and prints 'ran' for 'run'; filed as printed.

D. The intended sentence is present in option A, so none of these is wrong.

Question 17 English

Choose the correct sentence

- A. Not surprisingly, we missed the train ✓ **Correct answer**
- B. No surprisingly, we missed the train
- C. Surprisingly no, we missed the train
- D. None of these

A. 'Not surprisingly' is the correct adverbial phrase to begin the sentence.

B. 'No surprisingly' is not correct English.

C. 'Surprisingly no' is not the correct word order for this sentence.

D. There is a correct option, so none of these is wrong.

18 English

Choose the correct voice of "Someone has stolen my bag"

- A. My bag had been stolen
- B. My bag has being stolen
- C. My bag was stolen
- D. None of these ✓ **Correct answer**

A. 'Had been stolen' is past perfect passive, but the active sentence is present perfect ('has stolen'), so the tense is wrong. PRINTED-KEY CORRECTION: the book key A is wrong.

B. 'Has being stolen' is ungrammatical.

C. 'Was stolen' is simple past passive, but the active sentence is present perfect, so the tense is wrong.

D. The correct passive is 'My bag has been stolen', which is not among options A-C, so none of these is the answer.

Question 19 English

Change the narration Rafi said, "He played cricket."

- A. Rafi told that he had played cricket ✓ **Correct answer**
- B. Rafi told that he played cricket
- C. Rafi told if he could play cricket
- D. None of these

A. In reported speech the past simple 'played' shifts back to the past perfect 'had played'.

B. Keeping 'played' unchanged is wrong in reported speech for a past-tense statement.

C. 'If he could play cricket' changes the meaning entirely and is wrong.

D. There is a correct option, so none of these is wrong.

20 English

Change the narration Salman said "Honesty is the best policy."

- A. Salman told that honesty was the best policy
- B. Salman told that honesty is the best policy ✓ **Correct answer**
- C. Salman told honesty is the best policy
- D. None of these

A. A universal truth does not shift tense in reported speech, so 'was' is wrong here.

B. Honesty is the best policy is a universal truth, so it stays in the present tense in reported speech.

C. This option drops 'that' awkwardly and is not the standard reported form here.

D. There is a correct option, so none of these is wrong.

Question 21 Mathematics

If x = y^a, y = z^b, z = x^c, then abc = ?

- A. 4
- B. 3
- C. 1 ✓ **Correct answer**
- D. None of these

A. Substituting gives x = x^(abc), which needs abc = 1, not 4.

B. Substituting gives x = x^(abc), which needs abc = 1, not 3. PRINTED-KEY CORRECTION: the book key B is wrong.

C. x = y^a = (z^b)^a = z^(ab) = (x^c)^(ab) = x^(abc), so abc = 1.

D. There is a correct option, so none of these is wrong.

22 Mathematics

8^3 × 8^2 × 8^5 = ?

- A. 0
- B. 1
- C. 8
- D. None of these ✓ **Correct answer**

A. 8^3 × 8^2 × 8^5 = 8^(3+2+5) = 8^10, not 0.

B. 8^10 is not 1.

C. 8^10 is not 8.

D. 8^3 × 8^2 × 8^5 = 8^10, which is not among options A-C, so none of these is the answer.

Question 23 Mathematics

(√5 − √3)/(√5 + √3) = ?

- A. 1
- B. 2
- C. 3
- D. None of these ✓ **Correct answer**

A. Rationalising gives (8 − 2√15)/2 = 4 − √15, about 0.127, not 1.

B. Rationalising gives 4 − √15, about 0.127, not 2. PRINTED-KEY CORRECTION: the book key B is wrong.

C. Rationalising gives 4 − √15, about 0.127, not 3.

D. The value is 4 − √15 (about 0.127), which is not among options A-C, so none of these is the answer.

24 Mathematics

If a^(x^2 −2) = 1 where a is a positive real number other than 1, then x = ?

- A. −2
- B. −1
- C. 0
- D. None of these ✓ **Correct answer**

A. a^(x^2 − 2) = 1 needs x^2 − 2 = 0, so x = ±√2, not −2.

B. x = ±√2, not −1.

C. x = ±√2, not 0.

D. The solutions are x = √2 and x = −√2, neither of which is listed, so none of these is the answer.

Question 25 Mathematics

If 2^x × 8^(1/5) = 2^(1/5), then x = ?

- A. 1/5
- B. −1/5
- C. −2/5 ✓ **Correct answer**
- D. None of these

A. 8^(1/5) = 2^(3/5), so x + 3/5 = 1/5, giving x = −2/5, not 1/5.

B. x = −2/5, not −1/5.

C. 8^(1/5) = (2^3)^(1/5) = 2^(3/5); 2^x × 2^(3/5) = 2^(1/5) gives x = 1/5 − 3/5 = −2/5.

D. There is a correct option, so none of these is wrong.

26 Mathematics

If 16a + 16b = 48, what is the average of a and b?

- A. 1.5 ✓ **Correct answer**
- B. 2.5
- C. 3
- D. None of these

A. 16(a + b) = 48 gives a + b = 3, so the average is 3/2 = 1.5.

B. The average is 1.5, not 2.5.

C. 3 is the sum of a and b, not their average.

D. There is a correct option, so none of these is wrong.

Question 27 Mathematics

If the total monthly income of 18 persons is Rs. 80800 and the income of one of them is 120% of the average income, then his income is:

- A. Rs. 5050
- B. Rs. 6060 ✓ **Correct answer**
- C. Rs. 6160
- D. None of these

A. Rs. 5050 is the average if the total were Rs. 90900, not 120% of it.

B. The keyed answer: with the intended total of Rs. 90900 the average is Rs. 5050 and 120% of it is Rs. 6060. NOTE: the total is read as Rs. 80800 in the scan but is not clear enough to be certain; Rs. 90900 would yield this answer, while Rs. 80800 would give about Rs. 5387, which is not among the options. Filed as printed with the uncertainty disclosed.

C. Rs. 6160 does not follow from the figures.

D. There is a keyed option, so none of these is wrong.

28 Mathematics

150% of 15 + 75% of 75 = ?

- A. 75.75
- B. 78.75 ✓ **Correct answer**
- C. 135.
- D. None of these

A. 150% of 15 is 22.5 and 75% of 75 is 56.25; the sum is 78.75, not 75.75.

B. 150% of 15 = 22.5 and 75% of 75 = 56.25; 22.5 + 56.25 = 78.75.

C. The sum is 78.75, not 135.

D. There is a correct option, so none of these is wrong.

Question 29 Mathematics

40% of ? = 240

- A. 960
- B. 6000
- C. 600 ✓ **Correct answer**
- D. None of these

A. 40% of 960 is 384, not 240.

B. 40% of 6000 is 2400, not 240.

C. 40% of 600 = 240.

D. There is a correct option, so none of these is wrong.

Question 30 Mathematics

60 = ? % of 240

- B. 12
- C. 15
- D. None of these ✓ **Correct answer**

A. 60 is not 6% of 240 (that would be 14.4).

B. 60 is not 12% of 240 (that would be 28.8).

C. 60 is not 15% of 240 (that would be 36). PRINTED-KEY CORRECTION: the book key C is wrong.

D. 60/240 = 0.25, so 60 is 25% of 240, which is not among options A-C, so none of these is the answer.

Question 31 Mathematics

How is 1/2 % expressed as a decimal fraction?

- A. 0.0005
- B. 0.005 ✓ **Correct answer**
- C. 0.05
- D. None of these

A. 1/2% = 0.5% = 0.005, not 0.0005.

B. 1/2% means 0.5 per hundred, which is 0.005 as a decimal.

C. 0.05 is 5%, not 1/2%.

D. There is a correct option, so none of these is wrong.

Question 32 Mathematics

If the average of a number its 75% and its 25% is 240, then the number is.

- A. 280

- C. 360 ✓ **Correct answer**
- D. None of these

A. If the number is x, (x + 0.75x + 0.25x)/3 = 240 gives 2x/3 = 240, so x = 360, not 280.

B. x = 360, not 320.

C. The number, its 75% and its 25% average to (2x)/3 = 240, so x = 360.

D. There is a correct option, so none of these is wrong.

Question 33 Mathematics

Rs 395 are divided among A, B and C in such a manner that B gets 25% more than A and 20% more than C, then the share of A is

- A. Rs 198
- B. Rs 120 ✓ **Correct answer**
- C. Rs 180
- D. None of these

A. If A = x, B = 1.25x and C = 1.25x/1.2; the total 3.2917x = 395 gives x = 120, not 198.

B. Let A = x; B = 1.25x; C = B/1.2 = 1.0417x; x + 1.25x + 1.0417x = 395 gives x = 120.

C. The share of A is Rs. 120, not Rs. 180.

D. There is a correct option, so none of these is wrong.

Question 34 Mathematics

In an examination 65% of the total examinees passed. If the number of failure is 420, the total number of examinees is

- A. 500
- B. 1200 ✓ **Correct answer**

- D. None of these

A. 35% failed, and 35% of 500 is 175, not 420.

B. 35% failed, so 0.35 × total = 420 gives total = 1200.

C. 35% of 1000 is 350, not 420.

D. There is a correct option, so none of these is wrong.

Question 35 Mathematics

If the side of a square is increased by 25%, then its area is increased by

- A. 25%
- B. 55%
- C. 56.25% ✓ **Correct answer**
- D. None of these

A. Area grows by the square of the side factor, not by the same 25%.

B. $1.25^2 = 1.5625$, so the increase is 56.25%, not 55%.

C. New area = $(1.25)^2 = 1.5625$ times the old area, an increase of 56.25%.

D. There is a correct option, so none of these is wrong.

Question 36 Mathematics

The sum of two numbers is 2490. If 6.5% of one number is equal to 8.5% of the other, the numbers are

- A. 989, 1501
- B. 1011, 1479
- C. 1401, 1089
- D. None of these ✓ **Correct answer**

89 is 64.3 and 8.5% of 1501 is 127.6; they are not equal.

B. 6.5% of 1011 is 65.7 and 8.5% of 1479 is 125.7; they are not equal.

C. 6.5% of 1401 is 91.1 and 8.5% of 1089 is 92.6; they are not equal.

D. 6.5a = 8.5b with a + b = 2490 gives a = 1411 and b = 1079, which is not among options A-C, so none of these is the answer.

Question 37 Mathematics

Three candidates in an election received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?

- A. 11.6%
- B. 60%
- C. 76.5%
- D. None of these ✓ **Correct answer**

A. The winner got 11628 of 20400 votes, which is 57%, not 11.6%.

B. 11628/20400 = 57%, not 60%.

C. 11628/20400 = 57%, not 76.5%.

D. Total votes = 1136 + 7636 + 11628 = 20400; the winner's share is 11628/20400 = 57%, which is not among options A-C, so none of these is the answer.

Question 38 Mathematics

A man spends Rs. 3500 per month and saves 12.5% of his income. His monthly income is:

- A. Rs 4400
- B. Rs 4270
- C. Rs 4000 ✓ **Correct answer**
- D. None of these

is 4400, he spends 87.5% = 3850, not 3500.

B. 87.5% of 4270 is about 3736, not 3500.

C. He spends 87.5% of his income, so 0.875 × income = 3500 gives income = Rs. 4000.

D. There is a correct option, so none of these is wrong.

Question 39 Mathematics

A man sells his typewriter at 5% loss. If he sells it for Rs. 80 more, he gains 5%. The cost price of typewriter is

- A. Rs 1600
- B. Rs 1200
- C. Rs 800 ✓ **Correct answer**
- D. None of these

A. 10% of 1600 is 160, not 80.

B. 10% of 1200 is 120, not 80.

C. The Rs. 80 difference covers 10% of the cost price (from 5% loss to 5% gain), so cost price = 80/0.10 = Rs. 800.

D. There is a correct option, so none of these is wrong.

Question 40 Mathematics

Rahi buys some toffees at 2 for a rupee and sells them at 5 for a rupee. His loss percentage is

- A. 120%
- B. 90%
- C. 60% ✓ **Correct answer**
- D. None of these

offee is Re. 0.50 and selling price Re. 0.20, so loss is 60%, not 120%.

B. Loss is (0.50 − 0.20)/0.50 = 60%, not 90%.

C. Cost price per toffee = Re. 0.50, selling price = Re. 0.20; loss = 0.30/0.50 = 60%.

D. There is a correct option, so none of these is wrong.

Question 41 General Knowledge

Which cricketer of Pakistan equaled record of Imran Khan of getting 14 wickets in one test match?

- A. Yasir Shah ✓ **Correct answer**
- B. Muhammad Amir
- C. Waqar Younous
- D. None of these

A. Yasir Shah took 14 wickets against New Zealand in Dubai in 2018, equalling Imran Khan's record of 14 wickets in a Test.

B. Muhammad Amir never took 14 wickets in a Test match.

C. Waqar Younis never took 14 wickets in a single Test match.

D. There is a correct option, so none of these is wrong.

Question 42 General Knowledge

Which district of India is attached with Kartarpur Corridor with Pakistan?

- A. Gurdaspur ✓ **Correct answer**
- B. Jalandhur
- C. Amratsar
- D. None of these

A. The Kartarpur Corridor connects Kartarpur in Pakistan with Gurdaspur district in Indian

B. Jalandhar district is not connected by the Kartarpur Corridor.

C. Amritsar district is not connected by the Kartarpur Corridor; 'Amratsar' is filed as printed.

D. There is a correct option, so none of these is wrong.

Question 43 General Knowledge

Which US party got overall majority in Senate after recent midterm elections 2018?

- A. Republican ✓ **Correct answer**
- B. Democrats
- C. Independents
- D. None of these

A. The Republicans retained control of the Senate in the 2018 midterms, increasing their majority to 53-47 (Wikipedia, 2018 United States elections). PRINTED-KEY CORRECTION: the book key B is wrong.

B. The Democrats won the House in 2018, not the Senate.

C. Independents held only two Senate seats and did not have a majority.

D. There is a correct option, so none of these is wrong.

Question 44 General Knowledge

Which party in Indian is currently ruling the country?

- A. All India Congress
- B. BJP ✓ **Correct answer**
- C. Akali Dal
- D. None of these

ress was not ruling India in 2019; it had lost the 2014 and 2019 elections. PRINTED-KEY CORRECTION: the book key A is wrong. 'Which party in Indian' is filed as printed.

B. The BJP won the 2019 general election with 303 seats and was ruling India under Prime Minister Narendra Modi (CRS, Carnegie Endowment).

C. The Akali Dal is a regional party, not the ruling party of India.

D. There is a correct option, so none of these is wrong.

Question 45 General Knowledge

Where FIFA World Cup 2018 was held?

- A. Russia ✓ **Correct answer**
- B. Argentina
- C. Portugal
- D. None of these

A. The 2018 FIFA World Cup was held in Russia.

B. Argentina did not host the 2018 World Cup.

C. Portugal did not host the 2018 World Cup.

D. There is a correct option, so none of these is wrong.

Question 46 General Knowledge

Which is largest and most detailed amendment in 1973 Constitution of Pakistan?

- A. 8th
- B. 14th
- C. 18th ✓ **Correct answer**
- D. None of these

amendment (1985) changed 19 clauses; it is not described as the largest amendment.

B. The 14th Amendment (1997) is not described as the largest amendment.

C. The 18th Amendment (2010) overhauled 102 articles and is described as 'the largest, unique, landmark and the most comprehensive reform package' of the 1973 Constitution (Pakistan Journal of Humanities & Social Sciences Research, 2021). PRINTED-KEY CORRECTION: the book key A is wrong.

D. There is a correct option, so none of these is wrong.

Question 47 General Knowledge

Army Public School Peshawar tragedy happened on:

- A. 16 Dec 2014 ✓ **Correct answer**
- B. 15 Dec 2014
- C. 17 Dec 2014
- D. None of these

A. The Army Public School attack in Peshawar happened on 16 December 2014.

B. The attack was on 16 December, not 15 December 2014.

C. The attack was on 16 December, not 17 December 2014.

D. There is a correct option, so none of these is wrong.

Question 48 General Knowledge

When East Pakistan was separated and formed Bangladesh?

- A. 16th December 1971 ✓ **Correct answer**
- B. 15th December 2014
- C. 17th December 1970

A. Bangladesh was formed on 16 December 1971, when Pakistani forces surrendered in Dhaka.

B. 15 December 2014 is the wrong year and the wrong event.

C. 17 December 1970 is not the date of Bangladesh's formation.

D. There is a correct option, so none of these is wrong.

Question 49 General Knowledge

Which Muslim country expressed its consent to join CPEC?

- A. Saudi Arabia ✓ **Correct answer**
- B. Malaysia
- C. Indonesia
- D. None of these

A. Saudi Arabia agreed to join CPEC in 2018-2019, announcing major investment in Pakistan.

B. Malaysia did not express consent to join CPEC.

C. Indonesia did not express consent to join CPEC.

D. There is a correct option, so none of these is wrong.

Question 50 General Knowledge

CPEC will pass through Pakistan in its:

- A. Central region only
- B. Eastern border only
- C. Western border only
- D. All of these ✓ **Correct answer**

eastern, central and western routes, so it is not the central region only.

B. CPEC has eastern, central and western routes, so it is not the eastern border only.

C. CPEC has eastern, central and western routes, so it is not the western border only.

D. CPEC was planned with eastern, central and western alignments, so all of these is correct.

Question 51 General Knowledge

Next US Presidential Elections are due in:

- A. Nov 2020 ✓ **Correct answer**
- B. Dec 2070
- C. Jan 2021
- D. None of these

A. The next US presidential election after 2019 was due in November 2020 (held 3 November 2020).

B. 'Dec 2070' is printed in the book and is an apparent misprint for Dec 2020; filed as printed.

C. January 2021 was the inauguration, not the election.

D. There is a correct option, so none of these is wrong.

Question 52 General Knowledge

The first female Prime Minister in the world?

- A. Margaret Thatcher
- B. Sirimavo Bandaranaike ✓ **Correct answer**
- C. Indra Gandhi
- D. None of these

Thatcher became Prime Minister of the UK in 1979, after Bandaranaike.

B. Sirimavo Bandaranaike of Ceylon (Sri Lanka) became Prime Minister in 1960, the first woman in the world to hold that office.

C. Indira Gandhi became Prime Minister of India in 1966, after Bandaranaike.

D. There is a correct option, so none of these is wrong.

Question 53 General Knowledge

Where was the G-20 Summit 2019 held?

- A. India
- B. Osaka ✓ **Correct answer**
- C. China
- D. None of these

A. India did not host the 2019 G-20 Summit.

B. The 2019 G-20 Summit was held in Osaka, Japan, on 28-29 June 2019.

C. China did not host the 2019 G-20 Summit.

D. There is a correct option, so none of these is wrong.

Question 54 General Knowledge

Pakistan and Malaysia participated in joint military exercises in 2019, code name is:

- A. Mal Pak ✓ **Correct answer**
- B. Pak Malay
- C. Karachi
- D. None of these

A. The Pakistan Navy and the Royal Malaysian Navy conducted the bilateral exercise MALPAK-II at Karachi in February 2019 (the MALPAK series). PRINTED-KEY CONFIRMED

dependent source (The Free Library, 18 Feb 2019).

B. 'Pak Malay' is not the name of the 2019 Pakistan-Malaysia exercise.

C. Karachi is the city where the exercise was held, not its name.

D. There is a correct option, so none of these is wrong.

Question 55 General Knowledge

Who is the current Chief Minister of KPK?

- A. Pervaiz Khattak
- B. Mahmood Khan ✓ **Correct answer**
- C. Asad Qaisar
- D. None of these

A. Pervaiz Khattak was Chief Minister of Khyber Pakhtunkhwa in 2013-2018; he was replaced after the 2018 election.

B. Mahmood Khan became Chief Minister of Khyber Pakhtunkhwa in August 2018 and held the office at the 2019 exam date.

C. Asad Qaisar was Speaker of the National Assembly, not Chief Minister of KPK.

D. There is a correct option, so none of these is wrong.

Question 56 General Knowledge

Who funded Multan Metro Bus project?

- A. Govt of Punjab ✓ **Correct answer**
- B. Govt of Sindh
- C. CPEC funds
- D. None of these

A. The Multan Metro Bus project was a Punjab government project; Chief Minister

rif approved Rs. 30 billion for it (Dawn, Express Tribune). PRINTED-KEY CORRECTION: the book key C is wrong.

B. The Government of Sindh did not fund the Multan Metro Bus project.

C. CPEC funds did not fund the Multan Metro Bus project; it was a provincial project.

D. There is a correct option, so none of these is wrong.

Question 57 General Knowledge

The first session of the first Constituent Assembly of Pakistan was held on:

- A. 10 Aug 1947
- B. 11 Aug 1947 ✓ **Correct answer**
- C. 14 Aug 1947
- D. None of these

A. The Constituent Assembly was convened on 10 August 1947, but its first session was held on 11 August 1947.

B. The first session of the first Constituent Assembly was held on 11 August 1947, when Quaid-e-Azam was elected its first President.

C. 14 August 1947 was Independence Day, not the date of the first session.

D. There is a correct option, so none of these is wrong.

Question 58 General Knowledge

Who is the current Air Chief of Pakistan Air Force?

- A. Mujahid Anwar Khan ✓ **Correct answer**
- B. Sohail Aman
- C. Rao Qamar Suleman
- D. None of these

Marshal Mujahid Anwar Khan took over as Chief of the Air Staff in March 2018 and held the office at the 2019 exam date.

B. Sohail Aman was Air Chief before Mujahid Anwar Khan (2015-2018).

C. Rao Qamar Suleman was Air Chief in 2009-2012.

D. There is a correct option, so none of these is wrong.

Question 59 General Knowledge

Who was the first Muslim C-in-C of Pakistan Air Force?

- A. Rahim Khan
- B. Asghar Khan ✓ **Correct answer**
- C. Shahid Latif
- D. None of these

A. Air Marshal Rahim Khan was a later Air Chief, not the first Muslim C-in-C.

B. Air Marshal Asghar Khan was the first Muslim Commander-in-Chief of the Pakistan Air Force (1957-1965). PRINTED-KEY CONFIRMED against an independent source (Story of Pakistan, PAF sources).

C. Shahid Latif was not the first Muslim C-in-C of the PAF.

D. There is a correct option, so none of these is wrong.

Question 60 General Knowledge

Who was the first female Chief Justice of High Court of Pakistan?

- A. Justice Tahira Safdar ✓ **Correct answer**
- B. Justice Munib Akhtar
- C. Justice Muhammad Anwer
- D. None of these

nira Sardar became the first woman Chief Justice of a High Court in Pakistan (Balochistan High Court, September 2018).

B. Justice Munib Akhtar is a male judge, not the first female Chief Justice.

C. Justice Muhammad Anwer is a male judge, not the first female Chief Justice.

D. There is a correct option, so none of these is wrong.

Question 61 Pakistan Studies

Who is the author of "Friends Not Masters"?

- A. Ayub Khan ✓ **Correct answer**
- B. M. H. Jinnah
- C. Liaquat Ali Khan
- D. None of these

A. 'Friends Not Masters' (1967) was written by Field Marshal Muhammad Ayub Khan.

B. Muhammad Ali Jinnah did not write 'Friends Not Masters'.

C. Liaquat Ali Khan did not write 'Friends Not Masters'.

D. There is a correct option, so none of these is wrong.

Question 62 Pakistan Studies

When was One Unit established?

- A. 1952
- B. 1953
- C. 1954
- D. None of these ✓ **Correct answer**

A. One Unit was not established in 1952.

was not established in 1953.

C. One Unit was not established in 1954. PRINTED-KEY CORRECTION: the book key C is wrong.

D. One Unit was established on 14 October 1955, which is not among options A-C, so none of these is the answer.

Question 63 Pakistan Studies

What was the per capita income of Pakistan in 1947-48?

- A. Rs. 311
- B. Rs. 411
- C. Rs. 511
- D. None of these

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (decided by the assistant under the owner's 8 Nov 2026 delegation; no source confirms any of Rs. 311 / 411 / 511 as Pakistan's per capita income in 1947-48; Ishrat Husain (IBA) states per capita income was less than $100 in 1947, and a 1956 Punjab University study puts it at less than Rs. 250; the printed key B "Rs. 411" is NOT CONFIRMED)

A. Rs. 311 is not confirmed by any source as Pakistan's per capita income in 1947-48.

B. Rs. 411 is not confirmed by any source as Pakistan's per capita income in 1947-48.

C. Rs. 511 is not confirmed by any source as Pakistan's per capita income in 1947-48.

D. No correct option is confirmed, so no answer is filed.

Question 64 Pakistan Studies

When did Pakistan join Shanghai Cooperation Organization (SCO) as a permanent

- A. 2015
- B. 2016
- C. 2017 ✓ **Correct answer**
- D. None of these

A. Pakistan was not a permanent SCO member in 2015.

B. Pakistan was not a permanent SCO member in 2016.

C. Pakistan became a full member of the Shanghai Cooperation Organization in June 2017, at the Astana summit.

D. There is a correct option, so none of these is wrong.

Question 65 Pakistan Studies

What happened on 6 September 1965?

- A. India attacked Pakistan ✓ **Correct answer**
- B. Pakistan attacked India
- C. Both attacked
- D. None of these

A. India attacked Pakistan on 6 September 1965, crossing the international border towards Lahore.

B. Pakistan did not attack India on 6 September 1965; it was India that launched the attack that day.

C. Both sides did not attack each other on 6 September 1965; the attack came from India.

D. There is a correct option, so none of these is wrong.

66 Pakistan Studies

Which country recognized Bangladesh first?

- A. India
- B. Bhutan ✓ **Correct answer**
- C. Russia
- D. None of these

A. India recognised Bangladesh on 6 December 1971, after Bhutan.

B. Bhutan was the first country to recognise Bangladesh, on 6 December 1971, hours before India.

C. Russia (the Soviet Union) was not the first country to recognise Bangladesh.

D. There is a correct option, so none of these is wrong.

Question 67 Pakistan Studies

Who was the Prime Minister of Pakistan when Martial Law was imposed in 1958?

- A. Feroz Khan Noon ✓ **Correct answer**
- B. I.J. Chundrigarh
- C. Muhammad Ali Bogra
- D. None of these

A. Feroz Khan Noon was Prime Minister when Martial Law was imposed on 7 October 1958.

B. I.J. Chundrigar was Prime Minister in 1957-1958, before Feroz Khan Noon; 'Chundrigarh' is filed as printed.

C. Muhammad Ali Bogra was Prime Minister in 1953-1955.

D. There is a correct option, so none of these is wrong.

68 Pakistan Studies

Who dissolved One Unit?

- A. General Agha Muhammad Yahya Khan ✓ **Correct answer**
- B. General Ayub Khan
- C. General Zia-ul-Haq
- D. None of these

A. General Yahya Khan dissolved One Unit in 1970, restoring the four provinces of West Pakistan.

B. General Ayub Khan created One Unit in 1955; he did not dissolve it.

C. General Zia-ul-Haq came to power in 1977, after One Unit had already been dissolved.

D. There is a correct option, so none of these is wrong.

Question 69 Pakistan Studies

When were the Qadianis declared non-Muslims?

- A. 1973
- B. 1974 ✓ **Correct answer**
- C. 1975
- D. None of these

A. The Qadianis (Ahmadis) were not declared non-Muslims in 1973.

B. The Qadianis were declared non-Muslims by the Second Amendment to the 1973 Constitution in September 1974.

C. The declaration was in 1974, not 1975.

D. There is a correct option, so none of these is wrong.

70 Pakistan Studies

Where was the Tashkent Declaration signed?

- A. Tashkent, USSR ✓ **Correct answer**
- B. Tashkent, Russia
- C. Pakistan
- D. None of these

A. The Tashkent Declaration was signed at Tashkent, in the USSR (now Uzbekistan), on 10 January 1966.

B. Tashkent was in the USSR in 1966, not in Russia as a separate state.

C. The declaration was signed in Tashkent, not in Pakistan.

D. There is a correct option, so none of these is wrong.

Question 71 Islamic Studies

What is the literal meaning of Atiq?

- A. Oldest
- B. Liberated ✓ **Correct answer**
- C. Wise
- D. None of these

A. Atiq can mean ancient or old, but the standard literal meaning taught for Hazrat Abu Bakr's title is 'liberated' or 'freed'.

B. Atiq means liberated or freed (from the Hellfire); it is the title of Hazrat Abu Bakr Siddique (RA).

C. Wise is not the literal meaning of Atiq.

D. There is a correct option, so none of these is wrong.

72 Islamic Studies

Which Masjid is the first built Masjid of Islam?

- A. Masjid-e-Quba ✓ **Correct answer**
- B. Masjid-e-Nabvi
- C. Masjid-e-Sulaiman
- D. None of these

A. Masjid-e-Quba, built by the Holy Prophet (PBUH) on his arrival at Quba, is the first mosque built in Islam.

B. Masjid-e-Nabvi was built later, after the Prophet's arrival in Madinah.

C. Masjid-e-Sulaiman is not the first mosque built in Islam.

D. There is a correct option, so none of these is wrong.

Question 73 Islamic Studies

How many types of faith are there?

- A. 2 ✓ **Correct answer**
- B. 3
- C. 4
- D. None of these

A. Faith is expressed in two declarations: Iman-e-Mujmal (the summary declaration of faith) and Iman-e-Mufassal (the detailed declaration of faith). PRINTED-KEY CONFIRMED against an independent source (IslamWeb; JH Quran Academy).

B. There are two types of faith (Mujmal and Mufassal), not three.

C. There are two types of faith (Mujmal and Mufassal), not four.

D. There is a correct option, so none of these is wrong.

74 Islamic Studies

Who wrote down the first Wahi?

- A. Hazrat Abu Bakr (RA)
- B. Hazrat Zaid bin Sabit (RA) ✓ **Correct answer**
- C. Hazrat Umar (RA)
- D. None of these

A. Hazrat Abu Bakr (RA) ordered the compilation of the Quran later; he did not write down the first Wahi.

B. Hazrat Zaid bin Sabit (RA) was the chief scribe of the revelation and wrote down the first Wahi.

C. Hazrat Umar (RA) did not write down the first Wahi.

D. There is a correct option, so none of these is wrong.

Question 75 Islamic Studies

The number of bows in the Holy Quran it:

- A. 11
- B. 13
- C. 14 ✓ **Correct answer**
- D. None of these

A. 11 is not the standard majority count of Sajdah verses.

B. 13 is not the standard majority count of Sajdah verses.

C. 14 is the standard majority count of Sajdah verses (Sajdah Tilawat) in the Quran. NOTE: the stem word is unclear in the scan ('bows', apparently for Sajdahs/prostrations); filed as printed with the uncertainty disclosed.

D. There is a correct option, so none of these is wrong.

76 Islamic Studies

What is the meaning of Ramadan?

- A. To stop
- B. To slop
- C. To burn ✓ **Correct answer**
- D. All of these

A. 'To stop' is not the meaning of Ramadan.

B. 'To slop' is printed in the book and is possibly a misprint of 'To stop'; filed as printed.

C. Ramadan comes from the root r-m-d; 'ramad' means to burn or scorching heat (Lisan al-Arab). PRINTED-KEY CORRECTION: the book key D is wrong.

D. The options do not all mean the same thing, so all of these is wrong.

Question 77 Islamic Studies

Ghazwa-e-Khandaq is also known as:

- A. Ghazwa-e-Ditch ✓ **Correct answer**
- B. Ghazwa-e-Abwa
- C. Ghazwa-e-Badr
- D. None of these

A. Ghazwa-e-Khandaq is the Battle of the Trench, also called Ghazwa-e-Ditch.

B. Ghazwa-e-Abwa (Waddan) is a different expedition.

C. Ghazwa-e-Badr is a different battle (2 AH).

D. There is a correct option, so none of these is wrong.

78 Islamic Studies

The Juma prayer it not compulsory for:

- A. Women
- B. Blind
- C. Slaves
- D. All of these ✓ **Correct answer**

A. Juma prayer is not obligatory for women, so this option alone is not the full answer.

B. Juma prayer is not obligatory for the blind, so this option alone is not the full answer.

C. Juma prayer is not obligatory for slaves, so this option alone is not the full answer.

D. Juma is not obligatory for women, the blind or slaves, so all of these is correct. 'The Juma prayer it not compulsory' is filed as printed.

Question 79 Islamic Studies

The amount of Zakat for 52.5 tolas silver is:

- A. 50 tolas
- B. 52 tolas
- C. 54 tolas
- D. None of these ✓ **Correct answer**

A. The nisab for silver is 52.5 tolas (612.36 grams), not 50 tolas.

B. The nisab is 52.5 tolas, not 52 tolas.

C. The nisab is 52.5 tolas, not 54 tolas.

D. The silver nisab is 52.5 tolas, which is not among options A-C, so none of these is the answer. PRINTED-KEY CONFIRMED: the key D matches the fact that 52.5 tolas is not listed.

80 Islamic Studies

Who performed the first Hajj?

- A. Hazrat Abu Bakr (RA) ✓ **Correct answer**
- B. Hazrat Umar (RA)
- C. Hazrat Usman (RA)
- D. None of these

A. Hazrat Abu Bakr (RA) led the first Hajj in 9 AH, before the Farewell Pilgrimage.

B. Hazrat Umar (RA) did not lead the first Hajj.

C. Hazrat Usman (RA) did not lead the first Hajj.

D. There is a correct option, so none of these is wrong.

Question 81 Everyday Science

Angular wave number is expressed in:

- A. Rad
- B. Rad/cm ✓ **Correct answer**
- C. Radians
- D. None of these

A. Rad is a unit of angle, not of angular wave number per unit distance.

B. The angular wave number is expressed in radians per unit distance, Rad/cm (Wikipedia; RP Photonics). PRINTED-KEY CORRECTION: the book key D is wrong.

C. Radians alone is a unit of angle, not of angular wave number.

D. There is a correct option, so none of these is wrong.

82 Everyday Science

The instantaneous value of an alternating current is:

- A. less than RMS value
- B. more than RMS value
- C. equal to peak value
- D. None of these

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (decided by the assistant under the owner's 8 Nov 2026 delegation; for i(t) = I0 sin(wt) the instantaneous value equals the RMS value when sin(wt) = 1/sqrt2, exceeds the RMS value when sin(wt) > 1/sqrt2, and equals the peak value when sin(wt) = 1, so (A), (B) and (C) are all possible and there is no unique correct option; the printed key A "less than RMS value" is NOT the unique answer)

A. The instantaneous value can equal the RMS value (when sin(wt) = 1/sqrt2), so it is not always less.

B. The instantaneous value can exceed the RMS value (when sin(wt) > 1/sqrt2), so this is also possible.

C. The instantaneous value equals the peak value when sin(wt) = 1, so this is also possible.

D. Options A, B and C are all physically possible for i(t) = I0 sin(wt), so no unique answer is filed.

Question 83 Everyday Science

Radioactivity was discovered by:

- A. Becquerel ✓ **Correct answer**
- B. Rutherford
- C. Marie Curie
- D. None of these

quierel discovered radioactivity in 1896.

B. Rutherford studied radioactivity but did not discover it.

C. Marie Curie studied radioactivity but did not discover it.

D. There is a correct option, so none of these is wrong.

Question 84 Everyday Science

Which of the following is not a unit of length?

- A. Metre
- B. Micron
- C. Light year
- D. None of these ✓ **Correct answer**

A. The metre is a unit of length.

B. The micron (micrometre) is a unit of length.

C. The light year is a unit of length (distance).

D. All of the options are units of length, so none of these is the answer.

Question 85 Everyday Science

What is the use of X-rays?

- A. To produce photographs of bones and internal organs ✓ **Correct answer**
- B. To treat cancer
- C. To remove dust from the body
- D. All of these

A. X-rays are used to produce photographs (images) of bones and internal organs.

B. Radiotherapy uses X-rays, but that is not the primary use described in this question.

not remove dust from the body.

D. Not all the options are correct uses, so all of these is wrong.

Question 86 Everyday Science

One litre is equal to:

- A. 0.1 cubic decimetre
- B. 1.0 cubic decimetre ✓ **Correct answer**
- C. 10 cubic decimetre
- D. None of these

A. One litre is 1 cubic decimetre, not 0.1.

B. One litre is exactly 1 cubic decimetre (1 dm^3).

C. One litre is 1 cubic decimetre, not 10.

D. There is a correct option, so none of these is wrong.

Question 87 Everyday Science

The most abundant element in the universe is:

- A. Oxygen
- B. Silicon
- C. Nicrome
- D. None of these ✓ **Correct answer**

A. Oxygen is the most abundant element in the Earth's crust, but in the universe hydrogen is the most abundant (about 75% of ordinary matter by mass; LANL, LibreTexts).

B. Silicon is abundant in the Earth's crust but is not the most abundant element in the universe.

C. 'Nicrome' is printed in the book (for Nichrome, an alloy of nickel and chromium, not an

ed as printed. PRINTED-KEY CORRECTION: the book key C is wrong — Nichrome is an alloy, not an element.

D. Hydrogen is the most abundant element in the universe and is not among the options, so none of these is the answer.

Question 88 Everyday Science

Which of the following is a semi-solid?

- A. Glaceries
- B. Snow ✓ **Correct answer**
- C. Ice
- D. None of these

A. 'Glaceries' is printed in the book (apparently for 'glaciers' or 'glaceries'); filed as printed.

B. Snow is a semi-solid form of water (a soft, loose aggregate), which is the intended answer.

C. Ice is a solid, not a semi-solid.

D. There is a correct option, so none of these is wrong.

Question 89 Everyday Science

What is the chemical formula of limestone?

- A. CaCO3 ✓ **Correct answer**
- B. CaSO4
- C. CaO
- D. None of these

A. Limestone is calcium carbonate, CaCO3.

B. CaSO4 is calcium sulphate (gypsum), not limestone.

quicklime (calcium oxide), not limestone.

D. There is a correct option, so none of these is wrong.

Question 90 Everyday Science

Which is used in the treatment of cataract?

- A. Silver nitrate
- B. Silver bromide
- C. Silver chloride
- D. None of these ✓ **Correct answer**

A. Silver nitrate is not used in the treatment of cataract.

B. Silver bromide is not used in the treatment of cataract.

C. Silver chloride is not used in the treatment of cataract.

D. Cataract is treated surgically (lens removal and replacement); none of the silver compounds listed is used, so none of these is the answer.

Question 91 Everyday Science

The most active metal is:

- A. Sodium ✓ **Correct answer**
- B. Iron
- C. Calcium
- D. None of these

A. Sodium is the most reactive of the metals listed in the options.

B. Iron is less reactive than sodium.

C. Calcium is less reactive than sodium.

correct option, so none of these is wrong.

Question 92 Everyday Science

What is the lightest element?

- A. Hydrogen ✓ **Correct answer**
- B. Helium
- C. Oxygen
- D. None of these

A. Hydrogen (atomic number 1) is the lightest element.

B. Helium is the second lightest element, not the lightest.

C. Oxygen is much heavier than hydrogen.

D. There is a correct option, so none of these is wrong.

Question 93 Everyday Science

What is the use of thermometer?

- A. To measure temperature ✓ **Correct answer**
- B. To measure weight
- C. To measure speed
- D. None of these

A. A thermometer measures temperature.

B. Weight is measured by a scale or balance, not a thermometer.

C. Speed is measured by a speedometer, not a thermometer.

D. There is a correct option, so none of these is wrong.

94 Everyday Science

Which instrument is used to measure atmospheric pressure?

- A. Barometer ✓ **Correct answer**
- B. Thermometer
- C. Altimeter
- D. None of these

A. A barometer measures atmospheric pressure.

B. A thermometer measures temperature, not pressure.

C. An altimeter measures altitude, not atmospheric pressure.

D. There is a correct option, so none of these is wrong.

Question 95 Everyday Science

Which gas is used in the preparation of soft drinks?

- A. Oxygen
- B. Carbon dioxide ✓ **Correct answer**
- C. Nitrogen
- D. None of these

A. Oxygen is not used to carbonate soft drinks.

B. Carbon dioxide is dissolved in soft drinks to make them fizzy.

C. Nitrogen is not used to carbonate soft drinks.

D. There is a correct option, so none of these is wrong.

Question 96 Everyday Science

Which is the most abundant gas in the air?

- B. Nitrogen ✓ **Correct answer**
- C. Carbon dioxide
- D. None of these

A. Oxygen makes up about 21% of the air, not the most abundant.

B. Nitrogen makes up about 78% of the air, the most abundant gas.

C. Carbon dioxide makes up only about 0.04% of the air.

D. There is a correct option, so none of these is wrong.

Question 97 Everyday Science

Which of the following contains a double bond?

- A. Ethane
- B. Ethene ✓ **Correct answer**
- C. Propane
- D. None of these

A. Ethane (C2H6) has only single bonds.

B. Ethene (C2H4) contains a carbon-carbon double bond (LibreTexts). PRINTED KEY BLANK in the book; resolved by one independent web source.

C. Propane (C3H8) has only single bonds.

D. There is a correct option, so none of these is wrong.

Question 98 Everyday Science

Pitch is obtained from:

- A. Petrol
- B. Coal tar ✓ **Correct answer**

- D. None of these

A. Petrol is a light distillate, not the source of pitch.

B. Pitch is the solid residue produced by the distillation of coal tar (ScienceDirect). PRINTED KEY BLANK in the book; resolved by one independent web source.

C. Kerosene oil is a distillate, not the source of pitch.

D. There is a correct option, so none of these is wrong.

Question 99 Everyday Science

What number should replace the question mark (?) in series 10, 10, 9, 7, 7, ?, 4, 4, 3, 1

- A. 6 ✓ **Correct answer**
- B. 8
- C. 5
- D. None of these

A. Subtract 0, 1, 2 repeating: 10 − 0 = 10, 10 − 1 = 9, 9 − 2 = 7, 7 − 0 = 7, 7 − 1 = 6, 6 − 2 = 4, 4 − 0 = 4, 4 − 1 = 3, 3 − 2 = 1. The missing number is 6. PRINTED KEY BLANK in the book; resolved by worked logic.

B. The pattern subtracts 0, 1, 2 repeating, giving 6, not 8.

C. The pattern subtracts 0, 1, 2 repeating, giving 6, not 5.

D. There is a correct option, so none of these is wrong.

Question 100 Everyday Science

Which acid is used in the preparation of CaSO4?

- A. H2SO4 ✓ **Correct answer**
- B. HCl

- D. None of these

A. Calcium sulphate is prepared from sulphuric acid: H2SO4 + Ca(OH)2 -> CaSO4 + 2H2O (Testbook; Simple Wikipedia). PRINTED KEY BLANK in the book; resolved by one independent web source.

B. Hydrochloric acid gives calcium chloride, not calcium sulphate.

C. Nitric acid gives calcium nitrate, not calcium sulphate.

D. There is a correct option, so none of these is wrong.

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