Inspector (BS-16), Anti-Narcotics Force (Narcotics Division) — 2008 · Solved Past Paper

Body: Federal Public Service Commission (FPSC) · **Post:** Inspector (BS-16), Anti-Narcotics Force (Narcotics Division) · **Year:** 2008 · **Questions:** 100 in the original paper — **93 solved and verified**, 7 excluded as defective (Q24, Q56, Q90, Q91, Q93, Q94, Q96) · **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 2008 sitting.

Source note: Imtiaz Shahid book, 50th edition, Model Paper 108 (Inspector ANF (Narcotics Division) 2008, 100 questions), Scribd doc 502354168, viewer pages 479-483 (book pp. 484-488), fetched 14 Nov 2026. NORMAL MCQ paper: all questions print options (A)-(D) with a printed Answer Key table. 2 printed-key corrections (Q89 Ghauri I range 1500 km not 1750; Q32 option (C) misprint '42, 31' corrected to '42, 33'); 7 DEFECTIVE-excluded (Q24 garbled stem, Q56 founder Muawiya I not among options, Q90 Ghauri II 2000 km, Q91 Shaheen I 750 km, Q93 Anza III MANPADS no 1999 launch, Q94 Ghauri III never launched, Q96 no Sukkur-Karachi M-7); print defects disclosed (Q11 duplicate Precede, Q21 (B) '06', Q56/Q57 3 options, Q61 fourth option labelled (C), Q29 ± operator, Q30/Q31 ÷ read as +). Dedup 14 Nov 2026: 0 exact, 0 first-8-words, 0 near matches (>=0.90) vs the 7 live ANF papers (37atc, 37atb, 37ml, 37bdl, 37bdm, 37bdn, 37bdo); highest fuzzy 0.88 (new Q95 vs live 37bdo Q56, different questions); paper_id fpsc-inspector-anf-2008 is NOT live.

Question 1 English

His arguments were utterly void ___ reason?

✓ Correct answer

- B. To
- C. On
- D. in

A. Correct: 'void of' means empty of, lacking — his arguments were utterly lacking in reason.

B. Wrong: 'void to' is not an English idiom.

C. Wrong: 'void on' is not an English idiom.

D. Wrong: 'void in' is not the idiom here; 'void of' is.

Question 2 English

This power of legislation doesn't vest ____ the magistrate?

- A. Of
- B. In ✓ **Correct answer**
- C. At
- D. on

A. Wrong: 'vest of' is not an English idiom.

B. Correct: 'vest in' means to place authority or power in a person — the power is vested in the magistrate.

C. Wrong: 'vest at' is not an English idiom.

D. Wrong: 'vest on' is not an English idiom.

Question 3 English

I will not trespass ____ your time.

- A. In

- C. On ✓ **Correct answer**
- D. to

A. Wrong: 'trespass in' is not the idiom for taking up someone's time.

B. Wrong: 'trespass at' is not an English idiom.

C. Correct: 'trespass on' means to encroach upon something — here, to take up more of your time than is fair.

D. Wrong: 'trespass to' is not an English idiom.

Question 4 English

She callously trampled ____ my feelings.

- A. On ✓ **Correct answer**
- B. At
- C. In
- D. with

A. Correct: 'trample on' means to treat something with contempt, to crush it underfoot — she treated my feelings callously.

B. Wrong: 'trample at' is not an English idiom.

C. Wrong: 'trample in' is not an English idiom.

D. Wrong: 'trample with' is not the idiom here.

Question 5 English

He was quite tired ____ walk.

- A. Of
- B. With ✓ **Correct answer**

- D. to

A. Wrong here: 'tired of' means wearied or bored by something, and it takes a gerund — 'tired of walk' would need 'walking'.

B. Correct as the book keys: the traditional grammar rule is 'tired with' for physical fatigue (here, tired from walking) and 'tired of' for mental weariness or boredom.

C. Wrong: 'tired on' is not an English idiom.

D. Wrong: 'tired to' is not an English idiom.

Note: Note: 'tired with' is filed as the book keys, under the traditional rule (tired with = physically tired, tired of = mentally wearied or bored). In modern usage 'tired of walking' is the common form, but 'tired of walk' would need the gerund, so the book's key stands.

Question 6 English

He tempted the officer ____ a heavy bribe.

- A. Of
- B. In
- C. With ✓ **Correct answer**
- D. to

A. Wrong: 'tempt of' is not an English idiom.

B. Wrong: 'tempt in' is not an English idiom.

C. Correct: 'tempt with' — he tempted the officer with a heavy bribe, offering the bribe as the temptation.

D. Wrong: 'tempt to' is not the idiom here.

7 English

Someone has tampered ____ the official record.

- A. With ✓ **Correct answer**
- B. Off
- C. Of
- D. to

A. Correct: 'tamper with' means to interfere with something in order to change it dishonestly — the record has been altered.

B. Wrong: 'tamper off' is not an English idiom.

C. Wrong: 'tamper of' is not an English idiom.

D. Wrong: 'tamper to' is not an English idiom.

Question 8 English

They surfeited him ____ rich food.

- A. At
- B. With ✓ **Correct answer**
- C. Of
- D. in

A. Wrong: 'surfeit at' is not an English idiom.

B. Correct: 'surfeit with' means to overfeed or overload with something — they gave him rich food to excess.

C. Wrong: 'surfeit of' is not the idiom here.

D. Wrong: 'surfeit in' is not an English idiom.

9 English

He is writing a supplement ____ the book.

- A. On
- B. With
- C. To ✓ **Correct answer**
- D. of

A. Wrong: 'supplement on' is not the idiom here.

B. Wrong: 'supplement with' is not the idiom here.

C. Correct: 'a supplement to' — an addition to the book, completing it.

D. Wrong: 'supplement of' is not the idiom here.

Question 10 English

He succumbed ____ the injuries, last night.

- A. To ✓ **Correct answer**
- B. On
- C. For
- D. After

A. Correct: 'succumb to' means to give way to something, to die from it — he died of the injuries last night.

B. Wrong: 'succumb on' is not an English idiom.

C. Wrong: 'succumb for' is not an English idiom.

D. Wrong: 'succumb after' is not an English idiom.

11 English

You may ____ now, ordered the Judge.

- A. Proceed ✓ **Correct answer**
- B. Precede
- C. Precede
- D. none of these

A. Correct: 'proceed' means to go ahead, to continue — the judge is telling him he may go on.

B. Wrong: 'precede' means to come before something in time or order, which makes no sense here — and it is printed twice, as both (B) and (C).

C. Wrong: 'precede' means to come before something in time or order, which makes no sense here — and it is printed twice, as both (B) and (C).

D. Wrong: 'Proceed' is among the options, so 'none of these' is incorrect.

Note: Note: options (B) and (C) are both printed 'Precede' in the book — a duplicate in the print itself. The correct answer is (A) Proceed; the two 'Precede' options are the same wrong word.

Question 12 English

Don't ____ in my affairs.

- A. Medal
- B. Meddle ✓ **Correct answer**
- C. Metal
- D. none of these

A. 'Medal' is a prize or decoration; it does not fit the sentence.

B. Correct: 'meddle' means to interfere in other people's affairs without being asked.

n material such as iron or gold, it does not fit the sentence.

D. Wrong: 'Meddle' is among the options, so 'none of these' is incorrect.

Question 13 English

I want to ___ her.

- A. Merry
- B. Mery
- C. Marry ✓ **Correct answer**
- D. none of these

A. 'Merry' means cheerful or happy; it does not fit the sentence.

B. 'Mery' is a misspelling; it is not a word.

C. Correct: 'marry' — I want to marry her.

D. Wrong: 'Marry' is among the options, so 'none of these' is incorrect.

Question 14 English

I like to eat ___

- A. Beet ✓ **Correct answer**
- B. Beat
- C. Meet
- D. none of these

A. Correct: 'beet' is the root vegetable — I like to eat beet.

B. 'Beat' means to hit or to defeat; it is not a food.

C. 'Meet' means to encounter someone; it is not a food.

D. Wrong: 'Beet' is among the options, so 'none of these' is incorrect.

the stem ends at the blank, as printed — 'I like to eat ___'.

Question 15 English

___ burnt the wooden hut.

- A. Lightening
- B. Lightning ✓ **Correct answer**
- C. Ligteneng
- D. none of these

A. 'Lightening' means making something lighter in weight or colour; it did not burn the hut.

B. Correct: 'lightning' — a flash of lightning struck and burnt the wooden hut.

C. 'Ligteneng' is a misprint in the book; it is not a word.

D. Wrong: 'Lightning' is among the options, so 'none of these' is incorrect.

Note: Note: option (C) is printed as 'Ligteneng' in the book.

Question 16 English

Mark meanings: Innocuous

- A. impure
- B. ingenious
- C. harmless ✓ **Correct answer**
- D. inexpensive

A. 'Impure' means not clean or not morally pure; it is not what innocuous means.

B. 'Ingenious' means clever and inventive; it is not what innocuous means.

C. Correct: 'innocuous' means harmless, not likely to cause injury or offence.

ive' means cheap; it is not what innocuous means.

Question 17 English

Mark meanings: Ignominious

- A. indifferent
- B. appreciative
- C. disgraceful ✓ **Correct answer**
- D. dangerous

A. 'Indifferent' means not caring; it is not what ignominious means.

B. 'Appreciative' means showing gratitude; it is not what ignominious means.

C. Correct: 'ignominious' means disgraceful, bringing public shame.

D. 'Dangerous' means likely to cause harm; it is not what ignominious means.

Question 18 English

Mark meanings: Shrewd

- A. active
- B. astute ✓ **Correct answer**
- C. ridiculous
- D. fastidious

A. 'Active' means busy or energetic; it is not what shrewd means.

B. Correct: 'shrewd' means astute — having sharp judgement and practical intelligence.

C. 'Ridiculous' means laughably absurd; it is not what shrewd means.

D. 'Fastidious' means very fussy about details; it is not what shrewd means.

19 English

Mark meanings: Ghastly

- A. terrible ✓ **Correct answer**
- B. disgusting
- C. infernal
- D. amazing

A. Correct: 'ghastly' means terrible, shockingly bad or frightening.

B. 'Disgusting' means revolting; it is close, but terrible is the standard meaning of ghastly.

C. 'Infernal' means of hell, devilish; it is not what ghastly means.

D. 'Amazing' means astonishing in a good way; it is the opposite of ghastly.

Question 20 English

Mark meanings: Rapacious

- A. perceptive
- B. generous
- C. cruel
- D. greedy ✓ **Correct answer**

A. 'Perceptive' means having sharp insight; it is not what rapacious means.

B. 'Generous' means giving freely; it is the opposite of rapacious.

C. 'Cruel' means delighting in others' pain; rapacious is about greed, not cruelty.

D. Correct: 'rapacious' means greedy, grasping — seizing things greedily, like a bird of prey.

21 Math

The cube root of .000216 is:

- A. 0.06 ✓ **Correct answer**
- B. 06
- C. 55
- D. 66

A. Correct: 0.06 x 0.06 x 0.06 = 0.000216, so the cube root of 0.000216 is 0.06.

B. Wrong: '06' is printed without a decimal point; 6 cubed is 216, not 0.000216.

C. Wrong: 55 cubed is far larger than 0.000216.

D. Wrong: 66 cubed is far larger than 0.000216.

Note: Note: option (B) is printed as '06' with no decimal point in the book; the key (A) 0.06 is correct.

Question 22 Math

What should come in place of both x in the equation x/√128 = √162/x

- A. 12 ✓ **Correct answer**
- B. 15
- C. 82
- D. 100

A. Correct: cross-multiplying, x^2 = sqrt(128 x 162) = sqrt(20736) = 144, so x = 12.

B. Wrong: 15^2 = 225, not 144.

C. Wrong: 82^2 is far larger than 144.

D. Wrong: 100^2 is far larger than 144.

23 Math

the least perfect square, which is divisible by each of 21, 36 and 66 is:

- A. 213444 ✓ **Correct answer**
- B. 215342
- C. 216343
- D. 216345

A. Correct: LCM(21, 36, 66) = 2^2 x 3^2 x 7 x 11 = 2772; to make it a perfect square, multiply by the unpaired factors 7 x 11 = 77, giving 2772 x 77 = 213444, which is 462^2.

B. Wrong: 215342 is not divisible by 21, 36 and 66, and it is not a perfect square.

C. Wrong: 216343 is not divisible by 21, 36 and 66, and it is not a perfect square.

D. Wrong: 216345 is not divisible by 21, 36 and 66, and it is not a perfect square.

Question 24 Math

If √5 + 125 = 17.88, then what will be the value of √(4a² − 4a + 1) + 3a is:

- A. 0.1140
- B. 0.1240
- C. 1.1039
- D. 1.1340

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — the stem as printed does not connect its two parts: 'If sqrt5 + 125 = 17.88' (125 appears without a root sign, and sqrt5 is about 2.24, so the first part is already false) is followed by 'the value of sqrt(4a^2 - 4a + 1) + 3a', but no value of a is given anywhere, so no answer can be worked out; the question is unrecoverable as printed and no answer is taught)

A. The stem gives no usable value of a, so 0.1140 cannot be established.

gives no usable value of a, so 0.1240 cannot be established.

C. The stem gives no usable value of a, so 1.1039 cannot be established.

D. The stem gives no usable value of a, so 1.1340 cannot be established.

Question 25 Math

A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- A. 10
- B. 24 ✓ **Correct answer**
- C. 38
- D. 98

A. Wrong: the digits of 10 multiply to 0, not 8.

B. Correct: the digits of 24 multiply to 2 x 4 = 8, and 24 + 18 = 42, which is 24 with its digits reversed.

C. Wrong: the digits of 38 multiply to 3 x 8 = 24, not 8.

D. Wrong: the digits of 98 multiply to 9 x 8 = 72, not 8.

Question 26 Math

The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?

- A. 50
- B. 55
- C. 92
- D. None ✓ **Correct answer**

A. Wrong: the digits of 50 sum to 5, not 15.

e digits of 53 sum to 10, not 15.

C. Wrong: the digits of 92 sum to 11, not 15.

D. Correct: digits summing to 15 and differing by 3 are 9 and 6, giving 96 or 69 — neither is among the options, so 'None' is the answer.

Question 27 Math

66 cubic cm of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be:

- A. 84 ✓ **Correct answer**
- B. 88
- C. 92
- D. 98

A. Correct: the wire's radius is 0.05 cm, so its cross-section is pi x 0.05^2 = 0.007854 cm^2; length = volume / cross-section = 66 / 0.007854 = about 8,400 cm = 84 m.

B. Wrong: 88 m would need a volume of about 69 cm^3, not 66.

C. Wrong: 92 m would need a volume of about 72 cm^3, not 66.

D. Wrong: 98 m would need a volume of about 77 cm^3, not 66.

Question 28 Math

The curved surface area of a cylindrical pillar is 264 m^2 and its volume is 924 m^3. The ratio of its diameter to its height is:

- A. 2:5
- B. 7:3 ✓ **Correct answer**
- C. 5:7
- D. 4:7

5 does not follow from the given area and volume.

B. Correct: radius r = 2V / CSA = 2 x 924 / 264 = 7 m; height h = CSA / (2 pi r) = 264 / (2 pi x 7) = 6 m; diameter:height = 14:6 = 7:3.

C. Wrong: 5:7 is the inverse of the wrong ratio; the diameter is the larger quantity here.

D. Wrong: 4:7 does not follow from the given area and volume.

Question 29 Math

If 3a + 5b = 10 and 5a ± 3b = 30, then what is the average of a and b?

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

A. Correct: reading the second operator as +, adding the two equations gives 8a + 8b = 40, so a + b = 5 and the average of a and b is 2.5.

B. Wrong: 3.5 would need a + b = 7, which does not follow from the equations.

C. Wrong: 4.5 would need a + b = 9, which does not follow from the equations.

D. Wrong: 5.5 would need a + b = 11, which does not follow from the equations.

Note: Note: the second equation's operator is printed as '±' in the book and option (C) is printed '4-5' (read as 4.5). The key (A) 2.5 fits if the operator is + (adding the equations gives 8a + 8b = 40), so the answer is filed with this disclosure.

Question 30 Math

If 4x ÷ 12 = 36, what is the value of x + 3?

- A. 9 ✓ **Correct answer**
- B. 12

- D. 36

A. Correct: reading the operator as +, 4x + 12 = 36 gives 4x = 24, x = 6, and x + 3 = 9.

B. Wrong: 12 would need x = 9, which does not follow from 4x + 12 = 36.

C. Wrong: 18 would need x = 15, which does not follow from 4x + 12 = 36.

D. Wrong: 36 would need x = 33, which does not follow from 4x + 12 = 36.

Note: Note: the operator in the equation looks like '÷' in the scan, but the listed options only fit if it is '+': 4x + 12 = 36 gives x + 3 = 9. The answer is filed with this operator disclosure; the printed operator is not silently changed.

Question 31 Math

If 7x ÷ 10 = 44, what is the value of 7x − 10?

- A. 10
- B. 12
- C. 24 ✓ **Correct answer**
- D. 36

A. Wrong: 10 would need 7x = 20, which does not follow from 7x + 10 = 44.

B. Wrong: 12 would need 7x = 22, which does not follow from 7x + 10 = 44.

C. Correct: reading the operator as +, 7x + 10 = 44 gives 7x = 34, and 7x - 10 = 24.

D. Wrong: 36 would need 7x = 46, which does not follow from 7x + 10 = 44.

Note: Note: the operator in the equation looks like '÷' in the scan, but the listed options only fit if it is '+': 7x + 10 = 44 gives 7x - 10 = 24. The answer is filed with this operator disclosure; the printed operator is not silently changed.

32 Math

Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- A. 28, 30
- B. 33, 36
- C. 42, 33 ✓ **Correct answer**
- D. 40, 44

A. Wrong: 28 and 30 differ by 2, not 9.

B. Wrong: 33 and 36 differ by 3, not 9.

C. Correct: 42 and 33 differ by 9, and 42 is 56% of their sum, 75 (42/75 = 0.56). The book prints '42, 31', which is a misprint — 31 does not pair with the stem's 9-mark difference.

D. Wrong: 40 and 44 differ by 4, not 9.

Note: Note: option (C) is printed as '42, 31' in the book. That cannot be right: the stem says one student scored 9 marks more than the other, and 42 and 33 differ by 9 while 42 is 56% of 75. The printed '31' is a misprint for 33; the option is filed corrected, with the answer letter C unchanged. PRINTED-KEY CORRECTION (option text).

Question 33 Math

In an election between two candidates, 75% of the voters cast their votes out of which 2% of the votes were declared invalid. A candidate got 9261 votes which were 75% of the total number of values enrolled in the election.

- A. 16800 ✓ **Correct answer**
- B. 17000
- C. 17200
- D. 17500

9261 votes are 75% of the valid votes, so valid votes = 9261 / 0.75 = 12348; valid votes are 98% of the votes cast, so votes cast = 12348 / 0.98 = 12600; votes cast are 75% of the enrolled voters, so enrolled = 12600 / 0.75 = 16800.

B. Wrong: 17000 does not follow from the chain of percentages.

C. Wrong: 17200 does not follow from the chain of percentages.

D. Wrong: 17500 does not follow from the chain of percentages.

Note: Note: the stem is reproduced as printed — it says '75%' twice and 'the total number of values enrolled'. The answer is worked by the standard chain: 9261 is 75% of the valid votes, valid votes are 98% of votes cast, votes cast are 75% of those enrolled, giving 16,800.

Question 34 Math

A man buys oranges at the rate of 6 for Rs 5 and sells them at the rate of 5 for Rs 6 how much percent does he gain?

- A. 44% ✓ **Correct answer**
- B. 42%
- C. 46%
- D. 43%

A. Correct: cost price per orange is Rs 5/6 and selling price per orange is Rs 6/5; gain = (6/5 - 5/6) / (5/6) = (11/30) x (6/5) = 44%.

B. Wrong: 42% does not follow from the given buying and selling rates.

C. Wrong: 46% does not follow from the given buying and selling rates.

D. Wrong: 43% does not follow from the given buying and selling rates.

35 Math

If sweets be bought at the rate of 14 for rupee. How many must be sold for a rupee to gain 40 percent?

- A. 9
- B. 13
- C. 12
- D. 10 ✓ **Correct answer**

A. Wrong: selling 9 for a rupee gives a selling price of 1/9 per sweet, a gain of about 55%, not 40%.

B. Wrong: selling 13 for a rupee gives a selling price of 1/13 per sweet, a gain of about 8%, not 40%.

C. Wrong: selling 12 for a rupee gives a selling price of 1/12 per sweet, a gain of about 17%, not 40%.

D. Correct: cost price is Rs 1/14 per sweet; a 40% gain needs a selling price of 1.4/14 = Rs 1/10 per sweet, so 10 sweets must be sold for a rupee.

Question 36 Science

Can you name the blood type that can be given to any person in a transfusion?

- A. A
- B. 0 ✓ **Correct answer**
- C. B
- D. AB

A. Wrong: type A blood can only be given to people with type A or AB blood.

B. Correct: type O (printed as the digit 0 in the book) is the universal donor blood group — it can be given to a person of any blood group.

pe B blood can only be given to people with type B or AB blood.

D. Wrong: type AB blood can only be given to people with type AB blood.

Note: Note: option (B) is printed as the digit '0' in the book; it is blood group O.

Question 37 Science

How does a snake move?

- A. by its tiny legs
- B. by its mysterious body motions
- C. with the help of its underside scales ✓ **Correct answer**
- D. by movements of its tail

A. Wrong: snakes have no legs at all.

B. Wrong: a snake's movement is not mysterious — it is a well-understood use of muscles and scales.

C. Correct: a snake moves by gripping the ground with the scales on its underside (ventral scutes) and pushing its body forward with its muscles.

D. Wrong: the tail alone does not move a snake; the whole body and the underside scales do the work.

Question 38 Science

If there were no mulberry trees, there would be no

- A. timber
- B. gum
- C. silk ✓ **Correct answer**
- D. firewood

A. Wrong: timber comes from many kinds of trees, not only mulberry.

um comes from trees such as acacia, not only mulberry.

C. Correct: silkworms feed on mulberry leaves, so without mulberry trees there would be no silk.

D. Wrong: firewood comes from many kinds of trees, not only mulberry.

Question 39 Science

Of which bird's egg is largest?

- A. eagle
- B. ostrich ✓ **Correct answer**
- C. penguin
- D. corw

A. Wrong: an eagle's egg is much smaller than an ostrich's.

B. Correct: the ostrich lays the largest egg of any living bird.

C. Wrong: a penguin's egg is much smaller than an ostrich's.

D. Wrong: 'corw' (crow, as printed) lays a small egg, far smaller than an ostrich's.

Note: Note: option (D) is printed as 'corw' in the book.

Question 40 Science

What are hormones?

- A. the happy looking and living among the men
- B. secretions of liver
- C. secretions of ductless glands ✓ **Correct answer**
- D. the bone marrow

A. Wrong: hormones have nothing to do with looking happy or living among men.

e liver secretes bile, not hormones.

C. Correct: hormones are chemical messengers secreted by the ductless (endocrine) glands directly into the blood.

D. Wrong: bone marrow makes blood cells; it does not secrete hormones.

Question 41 Science

velocity of radio waves is

- A. same as that of sound
- B. same as that of elastic waves
- C. same as that of light ✓ **Correct answer**
- D. more than light

A. Wrong: sound travels at about 340 m/s in air, far slower than radio waves.

B. Wrong: elastic waves travel far slower than radio waves.

C. Correct: radio waves are electromagnetic waves, like light, and travel at the speed of light, about 300,000 km/s.

D. Wrong: nothing travels faster than light, so radio waves cannot be faster than light.

Question 42 Science

The saliva in the mouth acts upon?

- A. proteins
- B. starch ✓ **Correct answer**
- C. fats
- D. None above

A. Wrong: saliva does not digest proteins; that work begins in the stomach.

B. Correct: saliva contains the enzyme ptyalin (amylase), which begins the digestion of

mouth.

C. Wrong: saliva does not digest fats; fat digestion begins in the small intestine.

D. Wrong: starch is among the options, so 'None above' is incorrect.

Question 43 Science

Gene is:

- A. an elementary unit of heredity ✓ **Correct answer**
- B. a medicine to overcome old age
- C. the smallest living organism
- D. None

A. Correct: a gene is the elementary unit of heredity — a section of DNA that carries the instructions for a trait.

B. Wrong: a gene is not a medicine.

C. Wrong: the smallest living organism is a cell, not a gene.

D. Wrong: a gene is an elementary unit of heredity, so 'None' is incorrect.

Question 44 Science

A blood vessel that carries deoxygenated blood is the?

- A. aorta
- B. pulmonary artery ✓ **Correct answer**
- C. hepatic artery
- D. pulmonary vein

A. Wrong: the aorta carries oxygenated blood from the heart to the body.

B. Correct: the pulmonary artery is the one artery that carries deoxygenated blood — from the heart to the lungs.

e hepatic artery carries oxygenated blood to the liver.

D. Wrong: the pulmonary vein carries oxygenated blood from the lungs to the heart.

Question 45 Science

The best source of vitamins for a high school pupil is:

- A. cod-liver oil
- B. a properly varied diet ✓ **Correct answer**
- C. vitamin injections
- D. vitamin pills

A. Wrong: cod-liver oil supplies only vitamins A and D, not all vitamins.

B. Correct: a properly varied diet supplies all the vitamins a growing pupil needs, in the natural balance.

C. Wrong: vitamin injections are a medical treatment, not the best everyday source of vitamins.

D. Wrong: vitamin pills are a supplement, not the best everyday source of vitamins.

Question 46 Science

The science for the study of old age is known as?

- A. Gerontology ✓ **Correct answer**
- B. Geology
- C. Exbiology
- D. None above

A. Correct: gerontology is the scientific study of old age and ageing.

B. Wrong: geology is the study of the Earth and its rocks.

C. Wrong: exobiology is the study of life beyond Earth.

erontology is among the options, so 'None above' is incorrect.

Question 47 Science

If a red rose is observed in a background with red light, then it will appear

- A. Green yellow
- B. Blue
- C. Red ✓ **Correct answer**
- D. Invisible

A. Wrong: a red rose does not turn green-yellow under red light.

B. Wrong: a red rose does not turn blue under red light.

C. Correct: a red rose reflects red light, so under red light it still appears red (it blends with a red background).

D. Wrong: the rose is lit by red light and reflects it, so it does not become invisible.

Question 48 Science

What is Plasma (in medical science)?

- A. the essential fluid portion of blood ✓ **Correct answer**
- B. the sure remedy for colds
- C. the third rib of the right side
- D. the secretions of endocrine glands

A. Correct: plasma is the pale yellow fluid portion of blood in which the blood cells float.

B. Wrong: plasma is not a remedy for colds.

C. Wrong: plasma is not a rib.

D. Wrong: the secretions of endocrine glands are hormones, not plasma.

49 Science

Epilepsy is

- A. a disease of nervous system ✓ **Correct answer**
- B. a disease of digestive system
- C. study of apes
- D. disease of circulatory system

A. Correct: epilepsy is a disorder of the nervous system, marked by seizures caused by abnormal electrical activity in the brain.

B. Wrong: epilepsy is not a disease of the digestive system.

C. Wrong: the study of apes is primatology, not epilepsy.

D. Wrong: epilepsy is not a disease of the circulatory system.

Question 50 Science

Which planet of Solar system has the shortest day?

- A. Mercury
- B. Neptune
- C. Jupiter ✓ **Correct answer**
- D. Mars

A. Wrong: Mercury rotates very slowly — its day lasts about 59 Earth days.

B. Wrong: Neptune's day lasts about 16 hours, longer than Jupiter's.

C. Correct: Jupiter spins fastest of all the planets, with a day of about 9 hours 55 minutes.

D. Wrong: Mars's day lasts about 24 hours 37 minutes, longer than Jupiter's.

51 Science

Which vitamin helps young bones to grow strong?

- A. Vitamin X
- B. Vitamin C
- C. Vitamin D ✓ **Correct answer**
- D. Vitamin B

A. Wrong: there is no Vitamin X.

B. Wrong: Vitamin C helps the gums and healing, not bone growth.

C. Correct: Vitamin D helps the body absorb calcium, which young bones need to grow strong.

D. Wrong: Vitamin B helps the nerves and metabolism, not bone growth.

Question 52 Science

Which planet of Solar system has the largest number of Satellites?

- A. Saturn
- B. Jupiter ✓ **Correct answer**
- C. Uranus
- D. Mercury

A. Wrong: in 2008 Saturn had about 60 known moons, fewer than Jupiter's 63.

B. Correct as of the paper's time: in 2008 Jupiter had the most known moons, 63, against Saturn's 60.

C. Wrong: Uranus had about 27 known moons in 2008, fewer than Jupiter's.

D. Wrong: Mercury has no moons at all.

Note: Note: the answer is as of the paper's time (2008) — Jupiter then had the most

ns (63, against Saturn's 60). Today Saturn has more confirmed moons (over 140), so this is a period answer, filed as the book keys.

Question 53 Science

Haemoglobin in blood carries

- A. oxygen ✓ **Correct answer**
- B. nitrogen
- C. essential chemicals
- D. food to the tissues

A. Correct: haemoglobin in the red blood cells binds oxygen in the lungs and carries it to the tissues.

B. Wrong: haemoglobin does not carry nitrogen.

C. Wrong: 'essential chemicals' is vague; haemoglobin's job is carrying oxygen.

D. Wrong: food is carried to the tissues dissolved in the blood plasma, not by haemoglobin.

Question 54 Science

What is hibernation?

- A. the instinct in some animals to live on herbs
- B. the habit of some animals of sleeping through the winter months ✓ **Correct answer**
- C. the artificial breeding of some rare species of animals
- D. the art of growing plants without soil

A. Wrong: living on herbs is herbivory, not hibernation.

B. Correct: hibernation is the habit of some animals of sleeping through the winter months in a state of very low activity.

tificial breeding is not hibernation.

D. Wrong: growing plants without soil is hydroponics, not hibernation.

Question 55 Islamyat

"Safety Match" was invented by?

- A. Humphrey Davy
- B. Gillette
- C. Landstrom ✓ **Correct answer**
- D. None

A. Wrong: Humphrey Davy invented the miner's safety lamp, not the safety match.

B. Wrong: Gillette is known for the safety razor, not the safety match.

C. Correct as the book keys: Johan Edvard Lundstrom (Landstrom) perfected the safety match and made it commercially successful in 1855, and is the name the general-knowledge books credit with its invention.

D. Wrong: Landstrom is among the options, so 'None' is incorrect.

Note: Note: Gustaf Erik Pasch patented the safety match in 1844, but Johan Edvard Lundstrom perfected the design and made it commercially successful in 1855, and is the name the general-knowledge books credit. Pasch is not among the printed options, so (C) Landstrom is filed as the book keys.

Question 56 Islamyat

Real founder of Banu-Ummaiya was?

- A. Abdul Malik Bin Marwan
- B. Abdullah Bin Zuabir
- C. Omar Bin Abdul Aziz

s given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — the real founder of the Banu Umayya (Umayyad dynasty) is Muawiya I, who became caliph in 661 CE and founded the dynasty; Abdul Malik bin Marwan was the fifth Umayyad caliph (685-705 CE), Abdullah bin al-Zubayr was a rival claimant, not a founder, and Umar bin Abdul Aziz was the eighth Umayyad caliph (717-720 CE); Muawiya I is not among the printed options, so no correct option exists)

A. Abdul Malik bin Marwan was the fifth Umayyad caliph (685-705 CE), not the founder of the dynasty.

B. Abdullah bin al-Zubayr was a rival claimant to the caliphate, not the founder of the Umayyad dynasty.

C. Umar bin Abdul Aziz was the eighth Umayyad caliph (717-720 CE), not the founder of the dynasty.

Question 57 Islamyat

Father of Usman (R.A) was?

- A. Hashim
- B. Afaan ✓ **Correct answer**
- C. Zanun

A. Wrong: Hashim was an ancestor of the Prophet (PBUH), not the father of Usman (R.A).

B. Correct: the father of Hazrat Usman (R.A) was Affan (Afaan) ibn Abi al-As.

C. Wrong: Zanun was not the father of Usman (R.A).

Note: Note: only three options (A)-(C) are printed in the book; there is no (D).

58 Islamyat

Who initiated Hijri Era?

- A. Omar (R.A) ✓ **Correct answer**
- B. Ali (R.A)
- C. Usman (R.A)
- D. none of these

A. Correct: the Hijri calendar was initiated by Hazrat Umar (R.A), the second caliph, who fixed the Prophet's migration (Hijrah) as the start of the era.

B. Wrong: Hazrat Ali (R.A) did not initiate the Hijri era.

C. Wrong: Hazrat Usman (R.A) did not initiate the Hijri era.

D. Wrong: Omar (R.A) is among the options, so 'none of these' is incorrect.

Question 59 Islamyat

Ali (R.A) ruled for?

- A. 4 years
- B. 5 years ✓ **Correct answer**
- C. 6 years
- D. 7 years

A. Wrong: 4 years understates the reign — Ali (R.A) ruled from 656 to 661 CE, about 4 years and 9 months.

B. Correct: Ali (R.A) ruled from 656 to 661 CE, about 4 years and 9 months, which the exam books round to 5 years.

C. Wrong: 6 years overstates the reign of Ali (R.A).

D. Wrong: 7 years overstates the reign of Ali (R.A).

Ali (R.A) ruled 656-661 CE, about 4 years and 9 months; 5 years is the rounded exam figure, filed as the book keys.

Question 60 Islamyat

Egypt was conquered on?

- A. 19 Hijrah
- B. 20 Hijrah
- C. 21 Hijrah ✓ **Correct answer**
- D. 22 Hijrah

A. Wrong: 19 AH is when the campaign into Egypt began, not when the conquest was completed.

B. Wrong: 20 AH (641 CE) is when Egypt was largely overrun, but Alexandria, its capital, had not yet fallen.

C. Correct: the conquest of Egypt ran from 19 to 21 AH, and Alexandria, its capital, fell in 21 AH (642 CE), completing the conquest.

D. Wrong: 22 AH is after the conquest of Egypt was complete.

Note: Note: the conquest of Egypt ran 19-21 AH; Alexandria fell in 21 AH (642 CE), which is the date the book keys.

Question 61 Islamyat

Father of Ameer Muawiya (R.A) was?

- A. Abu Sufyan ✓ **Correct answer**
- B. Abu Jahl
- C. Abu Lahb
- D. Abu Hamza

A. Correct: the father of Hazrat Ameer Muawiya (R.A) was Abu Sufyan ibn Harb.

Abu Jahl was an enemy of Islam, not the father of Muawiya (R.A).

C. Wrong: Abu Lahb was an uncle of the Prophet (PBUH), not the father of Muawiya (R.A).

D. Wrong: Abu Hamza was not the father of Muawiya (R.A).

Note: Note: the fourth option is labelled '(C) Abu Hamza' a second time in the print, instead of (D); the options are filed by their correct letters A-D.

Question 62 Islamyat

Sajah married to a false Prophet named?

- A. Talha
- B. Aradi
- C. Moslama Kazab ✓ **Correct answer**
- D. none of these

A. Wrong: Talha was a companion of the Prophet (PBUH), not the false prophet Sajah married.

B. Wrong: Aradi was not the false prophet Sajah married.

C. Correct: Sajah (Sajjah) married Musaylima (Moslama Kazab), the false prophet of Yamama.

D. Wrong: Moslama Kazab is among the options, so 'none of these' is incorrect.

Question 63 Islamyat

Who was called "Lion of God"?

- A. Ali (R.A) ✓ **Correct answer**
- B. Omar (R.A)
- C. Bilal (R.A)
- D. Usman (R.A)

azrat Ali (R.A) is called Asadullah, the Lion of God, for his bravery in battle.

B. Wrong: Hazrat Omar (R.A) is called Farooq, not the Lion of God.

C. Wrong: Hazrat Bilal (R.A) is known as the first muezzin, not the Lion of God.

D. Wrong: Hazrat Usman (R.A) is called Zun-Nurain, not the Lion of God.

Question 64 Islamyat

Usman (R.A) belonged to Banu?

- A. Adi
- B. Ummaya ✓ **Correct answer**
- C. Saad
- D. Hashim

A. Wrong: Hazrat Usman (R.A) did not belong to Banu Adi.

B. Correct: Hazrat Usman (R.A) belonged to Banu Umayya (Ummaya), the clan of Umayya ibn Abd Shams.

C. Wrong: Hazrat Usman (R.A) did not belong to Banu Saad.

D. Wrong: Hazrat Usman (R.A) did not belong to Banu Hashim.

Question 65 Islamyat

Khalid Bin Walid (R.A) belonged to Banu?

- A. Adi
- B. Ummaya
- C. Makhzoom ✓ **Correct answer**
- D. Saad

A. Wrong: Hazrat Khalid bin Walid (R.A) did not belong to Banu Adi.

azrat Khalid bin Walid (R.A) did not belong to Banu Umayya.

C. Correct: Hazrat Khalid bin Walid (R.A) belonged to Banu Makhzum.

D. Wrong: Hazrat Khalid bin Walid (R.A) did not belong to Banu Saad.

Question 66 Pakistan Affairs

Institution of Ombudsman was created in?

- A. 1980
- B. 1983 ✓ **Correct answer**
- C. 1985
- D. 1982

A. Wrong: the Ombudsman institution was not created in 1980.

B. Correct: the institution of the Ombudsman (Wafaqi Mohtasib) was created in Pakistan in 1983, by the Establishment of the Office of Wafaqi Mohtasib (Ombudsman) Order 1983.

C. Wrong: 1985 is the year of the 8th Amendment, not the creation of the Ombudsman.

D. Wrong: the Ombudsman institution was not created in 1982.

Question 67 Pakistan Affairs

8th amendment in the 1973 Constitution was in?

- A. 1980
- B. 1983
- C. 1985 ✓ **Correct answer**
- D. 1984

A. Wrong: the 8th Amendment was not passed in 1980.

B. Wrong: 1983 is the year the Ombudsman was created, not the 8th Amendment.

The 8th Amendment to the 1973 Constitution was passed in 1985, giving the President wide powers including the power to dissolve the National Assembly.

D. Wrong: the 8th Amendment was not passed in 1984.

Question 68 Pakistan Affairs

Real name of Waqar-ul-Mulk is?

- A. Mushtaq Hussain ✓ **Correct answer**
- B. Chirag Ali
- C. Mehdi Ali Khan
- D. Ahmad Ali

A. Correct: the real name of Nawab Waqar-ul-Mulk was Mushtaq Hussain Zuberi — he was one of the founders of the All-India Muslim League.

B. Wrong: Chirag Ali was a different figure, not Waqar-ul-Mulk.

C. Wrong: Mehdi Ali Khan (Mohsin-ul-Mulk) was a different figure, not Waqar-ul-Mulk.

D. Wrong: Ahmad Ali was not the real name of Waqar-ul-Mulk.

Question 69 Pakistan Affairs

"Now or never" was published in?

- A. 1930
- B. 1933 ✓ **Correct answer**
- C. 1935
- D. 1934

A. Wrong: 'Now or Never' was not published in 1930.

B. Correct: 'Now or Never' — the pamphlet by Choudhary Rahmat Ali demanding a separate Muslim state and coining the name 'Pakistan' — was published on 28 January

C. Wrong: 'Now or Never' was not published in 1935.

D. Wrong: 'Now or Never' was not published in 1934.

Question 70 Pakistan Affairs

Allama Iqbal died in?

- A. 1937
- B. 1935
- C. 1938 ✓ **Correct answer**
- D. 1936

A. Wrong: Allama Iqbal did not die in 1937.

B. Wrong: Allama Iqbal did not die in 1935.

C. Correct: Allama Iqbal died on 21 April 1938 in Lahore.

D. Wrong: Allama Iqbal did not die in 1936.

Question 71 Pakistan Affairs

Raja Sahib of Mahmudabad's real name is?

- A. Amir Ahmad ✓ **Correct answer**
- B. Abdul Haq
- C. Ahmad Kuli
- D. Mir Ali

A. Correct: the Raja Sahib of Mahmudabad's real name was Amir Ahmad Khan — a leading supporter of the Pakistan Movement.

B. Wrong: Abdul Haq was not the real name of the Raja Sahib of Mahmudabad.

hmad Kuli was not the real name of the Raja Sahib of Mahmudabad.

D. Wrong: Mir Ali was not the real name of the Raja Sahib of Mahmudabad.

Question 72 Pakistan Affairs

Anglo-Sikh war was concluded at?

- A. Ludhiyana
- B. Lahore ✓ **Correct answer**
- C. Gujrat
- D. Amritsar

A. Wrong: Ludhiana was not where the Anglo-Sikh war was concluded.

B. Correct: the First Anglo-Sikh War was concluded at Lahore, by the Treaty of Lahore in March 1846.

C. Wrong: Gujrat was the site of a battle in the Second Anglo-Sikh War, not where the first war was concluded.

D. Wrong: Amritsar was not where the Anglo-Sikh war was concluded.

Question 73 Pakistan Affairs

Sir Syed retired from service in?

- A. 1877
- B. 1875
- C. 1876 ✓ **Correct answer**
- D. 1878

A. Wrong: Sir Syed Ahmad Khan did not retire in 1877.

B. Wrong: Sir Syed Ahmad Khan did not retire in 1875.

C. Correct: Sir Syed Ahmad Khan retired from government service in 1876.

r Syed Ahmad Khan did not retire in 1878.

Question 74 Pakistan Affairs

M. Ali Johar died during which round-table Conference?

- A. 1st ✓ **Correct answer**
- B. 2nd
- C. 3rd
- D. none of these

A. Correct: Maulana Muhammad Ali Johar died in London on 4 January 1931, during the First Round Table Conference (1930-31).

B. Wrong: the Second Round Table Conference was held later in 1931, after Johar's death.

C. Wrong: the Third Round Table Conference was held in 1932, after Johar's death.

D. Wrong: the 1st Round Table Conference is among the options, so 'none of these' is incorrect.

Question 75 Pakistan Affairs

Quaid-e-Azam reached Pakistan on August?

- A. 5
- B. 7 ✓ **Correct answer**
- C. 8
- D. 14

A. Wrong: the Quaid-e-Azam did not reach Pakistan on 5 August 1947.

B. Correct: Quaid-e-Azam Muhammad Ali Jinnah arrived in Karachi on 7 August 1947, a week before independence.

C. Wrong: the Quaid-e-Azam did not reach Pakistan on 8 August 1947.

4 August 1947 is Independence Day, not the day Jinnah arrived.

Question 76 Pakistan Affairs

Simla Deputation met with?

- A. Lord Curzon
- B. Mayo
- C. Minto ✓ **Correct answer**
- D. Simon

A. Wrong: the Simla Deputation did not meet Lord Curzon, who had left India in 1905.

B. Wrong: Mayo was a Viceroy of the 1870s, not the one the Simla Deputation met.

C. Correct: the Simla Deputation of 1906, led by Sir Aga Khan, met Lord Minto, the Viceroy of India, and asked for separate electorates for Muslims.

D. Wrong: Simon headed the Simon Commission of 1928, not the Viceroy the Simla Deputation met.

Question 77 General Knowledge

The longest river of the world is:

- A. Thames
- B. Nile ✓ **Correct answer**
- C. Volga
- D. Mississippi

A. Wrong: the Thames is a short river in England, not the longest in the world.

B. Correct: the Nile, about 6,650 km long, is the longest river in the world.

C. Wrong: the Volga is the longest river in Europe, not in the world.

D. Wrong: the Mississippi is long, but shorter than the Nile.

78 General Knowledge

Biggest desart of the world is:

- A. Gobi
- B. Cholistan
- C. Sahara ✓ **Correct answer**
- D. Syrian

A. Wrong: the Gobi is a large desert, but smaller than the Sahara.

B. Wrong: the Cholistan is a desert in Pakistan, far smaller than the Sahara.

C. Correct: the Sahara, about 9 million square km, is the biggest desert in the world.

D. Wrong: the Syrian desert is far smaller than the Sahara.

Note: Note: 'desart' is printed as such in the book.

Question 79 General Knowledge

One horse power is equal to

- A. 746 watts ✓ **Correct answer**
- B. 780 watts
- C. 785 watts
- D. 1000 watts

A. Correct: one horse power is equal to 746 watts.

B. Wrong: 780 watts is not one horse power.

C. Wrong: 785 watts is not one horse power.

D. Wrong: 1000 watts is one kilowatt, not one horse power.

80 General Knowledge

Light year is a unit of:

- A. Distance ✓ **Correct answer**
- B. Time Period
- C. Light intensity
- D. Time

A. Correct: a light year is the distance light travels in one year — about 9.46 trillion km — so it is a unit of distance.

B. Wrong: a light year is not a unit of time period.

C. Wrong: light intensity is measured in candela, not in light years.

D. Wrong: a light year is not a unit of time.

Question 81 General Knowledge

How many bones are there in a human body?

- A. 206 ✓ **Correct answer**
- B. 106
- C. 90
- D. 200

A. Correct: an adult human body has 206 bones.

B. Wrong: 106 is not the number of bones in an adult human body.

C. Wrong: 90 is not the number of bones in an adult human body.

D. Wrong: 200 is close but not the number of bones in an adult human body.

82 General Knowledge

Cusec is a unit of:

- A. Area
- B. Time
- C. Distance
- D. Water flow ✓ **Correct answer**

A. Wrong: a cusec is not a unit of area.

B. Wrong: a cusec is not a unit of time.

C. Wrong: a cusec is not a unit of distance.

D. Correct: a cusec (cubic feet per second) is a unit of water flow, used for rivers and canals.

Question 83 General Knowledge

The city which is also known as the City of Canals is

- A. Venice ✓ **Correct answer**
- B. Rome
- C. Paris
- D. Madrid

A. Correct: Venice in Italy, built on canals, is known as the City of Canals.

B. Wrong: Rome is known as the Eternal City, not the City of Canals.

C. Wrong: Paris is known as the City of Light, not the City of Canals.

D. Wrong: Madrid is not known as the City of Canals.

84 General Knowledge

The border separating Pakistan and Afghanistan is known as

- A. Durand Line ✓ **Correct answer**
- B. LOC
- C. Wagha Border
- D. International Boundary

A. Correct: the Durand Line, drawn in 1893, is the border between Pakistan and Afghanistan.

B. Wrong: the LOC (Line of Control) separates Pakistan and India in Kashmir.

C. Wrong: the Wagah Border is the crossing between Pakistan and India near Lahore.

D. Wrong: 'International Boundary' is a general term, not the name of the Pakistan-Afghanistan border.

Question 85 General Knowledge

The largest ocean of the world is

- A. The Indian Ocean
- B. The Atlantic ocean
- C. The Pacific ocean ✓ **Correct answer**
- D. Arctic ocean

A. Wrong: the Indian Ocean is the third largest ocean.

B. Wrong: the Atlantic Ocean is the second largest ocean.

C. Correct: the Pacific Ocean is the largest ocean in the world, covering about a third of the Earth's surface.

D. Wrong: the Arctic Ocean is the smallest ocean.

86 General Knowledge

The UNO was founded in the year

- A. 1945 ✓ **Correct answer**
- B. 1946
- C. 1947
- D. 1944

A. Correct: the United Nations Organisation was founded in 1945, when its Charter came into force on 24 October 1945.

B. Wrong: 1946 is the year the UN first met, not the year it was founded.

C. Wrong: the UNO was not founded in 1947.

D. Wrong: 1944 is the year of the Dumbarton Oaks Conference, not the founding of the UNO.

Question 87 General Knowledge

The Old Man and the Sea is written by

- A. John Steinbeck
- B. Jane Austin
- C. Ernest Hemingway ✓ **Correct answer**
- D. Agatha Christie

A. Wrong: John Steinbeck wrote The Grapes of Wrath, not The Old Man and the Sea.

B. Wrong: Jane Austen wrote Pride and Prejudice, not The Old Man and the Sea.

C. Correct: The Old Man and the Sea (1952) was written by Ernest Hemingway.

D. Wrong: Agatha Christie wrote detective novels, not The Old Man and the Sea.

88 General Knowledge

Which is the most thinly populated province of Pakistan?

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

A. Wrong: the NWFP (Khyber Pakhtunkhwa) is more densely populated than Baluchistan.

B. Wrong: Punjab is the most densely populated province of Pakistan, not the most thinly populated.

C. Correct: Baluchistan, the largest province by area with a small population, is the most thinly populated province of Pakistan.

D. Wrong: Sindh is more densely populated than Baluchistan.

Question 89 General Knowledge

Ghauri I launched successfully on April 6, 1998 has a range of

- A. 1300 km
- B. 1200 km
- C. 1500 km ✓ **Correct answer**
- D. 1750 km

A. Wrong: 1,300 km is not the range of Ghauri I.

B. Wrong: 1,200 km is not the range of Ghauri I.

C. Correct: Ghauri I (Hatf-V), first test-fired on 6 April 1998, has a range of 1,500 km with a 700 kg payload (FAS; Wikipedia; Dawn, 7 April 1998). The book keys 1,750 km (D), which is wrong. PRINTED-KEY CORRECTION.

D. Wrong: 1,750 km is not the range of Ghauri I — this is what the book keys, but it is

TED-KEY CORRECTION.

Note: Note: PRINTED-KEY CORRECTION — the book keys (D) 1750 km, which is wrong; Ghauri I's range is 1,500 km (FAS: 'maximum range of 1,500 kilometers'; Wikipedia: 'Maximum firing range 1,500 km'; Dawn, 7 April 1998: 'a range of 1,500 kilometres').

Question 90 General Knowledge

Ghauri II launched successfully on April 13, 1999 has a range of

- A. 1000 km
- B. 1500 km
- C. 750 km
- D. 2200 km

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — Ghauri II's range is 2,000 km (FAS gives a maximum range of 2,300 km with a lighter payload); none of the printed options (1000, 1500, 750 or 2200 km) is the range of Ghauri II, so no correct option exists)

A. Ghauri II's range is 2,000 km, not 1,000 km.

B. Ghauri II's range is 2,000 km, not 1,500 km — 1,500 km is the range of Ghauri I.

C. Ghauri II's range is 2,000 km, not 750 km — 750 km is the range of Shaheen I.

D. Ghauri II's range is 2,000 km (FAS gives up to 2,300 km with a lighter payload), not 2,200 km.

Question 91 General Knowledge

Shaheen I missile has a range of

- A. 600 km
- B. 100 km
- C. 200 km

km

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — Shaheen I's range is 750 km (NTI design-characteristics table; Delhi Defence Review: 'tested in 2003 and had a range of 750 kilometers'); none of the printed options (600, 100, 200 or 500 km) is the range of Shaheen I, so no correct option exists)

A. Shaheen I's range is 750 km, not 600 km.

B. Shaheen I's range is 750 km, not 100 km.

C. Shaheen I's range is 750 km, not 200 km.

D. Shaheen I's range is 750 km, not 500 km.

Question 92 General Knowledge

The length of Multan-D.G. Khan (M5) Motorway is

- A. 75 km
- B. 85 km ✓ **Correct answer**
- C. 200 km
- D. 50 km

A. Wrong: 75 km is not the length of the Multan-D.G. Khan link.

B. Correct as the book keys: the Multan-D.G. Khan motorway link was planned at about 84 km, which the book rounds to 85 km.

C. Wrong: 200 km is not the length of the Multan-D.G. Khan link.

D. Wrong: 50 km is not the length of the Multan-D.G. Khan link.

Note: Note: the '(M5)' label in the stem is wrong — M-5 is the Multan-Sukkur motorway (392 km). The Multan-D.G. Khan link (the old M-6 numbering) was planned at about 84 km,

Question 93 General Knowledge

Anza III surface to surface missile was launched on

- A. July 25, 1999
- B. August 10, 1999
- C. August 29, 1999
- D. September 19, 1999

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — the Anza III is a shoulder-fired MANPADS, a surface-to-AIR missile, not a surface-to-surface missile, and serial production of the Anza Mk-III for the Pakistan Army was announced in 2006; there was no Anza III launch in 1999, so no printed date can be right)

A. The Anza III was not launched on 25 July 1999 — it is a MANPADS, and its serial production was announced in 2006.

B. The Anza III was not launched on 10 August 1999 — it is a MANPADS, and its serial production was announced in 2006.

C. The Anza III was not launched on 29 August 1999 — it is a MANPADS, and its serial production was announced in 2006.

D. The Anza III was not launched on 19 September 1999 — it is a MANPADS, and its serial production was announced in 2006.

Question 94 General Knowledge

Ghauri III missile was launched on

- A. August 10, 1999
- B. November 15, 1999

- D. September 25, 1999

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — the Ghauri III was never launched: the programme remained in the design phase, was scaled down in 2004 and terminated in 2005, with no test flight ever taking place; no launch date exists, so no printed option can be right)

A. The Ghauri III was never launched, so it was not launched on 10 August 1999.

B. The Ghauri III was never launched, so it was not launched on 15 November 1999.

C. The Ghauri III was never launched, so it was not launched on 15 October 1999.

D. The Ghauri III was never launched, so it was not launched on 25 September 1999.

Question 95 General Knowledge

Which is the largest university of Pakistan?

- A. Quaid-e-Azam
- B. Punjab University ✓ **Correct answer**
- C. Karachi University
- D. NED University

A. Wrong: Quaid-e-Azam University is smaller than Punjab University by enrolment.

B. Correct: Punjab University, Lahore, is the largest university of Pakistan by enrolment.

C. Wrong: Karachi University is smaller than Punjab University by enrolment.

D. Wrong: NED University is an engineering university, much smaller than Punjab University.

96 General Knowledge

What is the total length of Sukkar Karachi (M-7) Motorway?

- A. 321 km
- B. 341 km
- C. 361 km
- D. 381 km

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (DEFECTIVE-excluded — there is no Sukkur-Karachi M-7 motorway: M-7 is the planned Dadu-Hub motorway, while Sukkur-Hyderabad is M-6 (306 km) and Hyderabad-Karachi is M-9 (136 km), about 442 km together; no published figure for a Sukkur-Karachi motorway is 341 km, so no printed option can be right)

A. No published Sukkur-Karachi motorway length is 321 km.

B. No published Sukkur-Karachi motorway length is 341 km — Sukkur-Hyderabad (M-6, 306 km) plus Hyderabad-Karachi (M-9, 136 km) is about 442 km.

C. No published Sukkur-Karachi motorway length is 361 km.

D. No published Sukkur-Karachi motorway length is 381 km.

Question 97 General Knowledge

One gram of gold is equal to ____ miligrams of gold

- A. 100 mg gold
- B. 500 mg gold
- C. 1000 mg gold ✓ **Correct answer**
- D. 10000 mg gold

A. Wrong: 1 gram is more than 100 milligrams.

B. Wrong: 1 gram is more than 500 milligrams.

gram is equal to 1,000 milligrams.

D. Wrong: 10,000 milligrams is 10 grams, not 1 gram.

Question 98 General Knowledge

In one square centimeter there are how many millimeters:

- A. 1000 Sqr. mm.
- B. 10000 Sqr. mm.
- C. 100 Sqr. mm. ✓ **Correct answer**
- D. 10 Sqr. mm.

A. Wrong: 1 cm^2 is not 1,000 sq mm.

B. Wrong: 1 cm^2 is not 10,000 sq mm.

C. Correct: 1 cm = 10 mm, so 1 cm^2 = 10 x 10 = 100 sq mm.

D. Wrong: 1 cm^2 is not 10 sq mm.

Question 99 General Knowledge

The amount of 15% of sales Tax paid on an article comes to Rs 1500. What is the actual price of the article?

- A. Rs. 1000
- B. Rs 7500
- C. Rs. 10,000 ✓ **Correct answer**
- D. Rs. 15,500

A. Wrong: 15% of Rs 1,000 is Rs 150, not Rs 1,500.

B. Wrong: 15% of Rs 7,500 is Rs 1,125, not Rs 1,500.

C. Correct: 15% of the price is Rs 1,500, so the price is 1500 / 0.15 = Rs 10,000.

5% of Rs 15,500 is Rs 2,325, not Rs 1,500.

Question 100 General Knowledge

Insert the missing number: 4, 5, 7, 11

- A. 21
- B. 19 ✓ **Correct answer**
- C. 17
- D. 26

A. Wrong: 21 would need the differences to run 1, 2, 4, 10, which is not the pattern.

B. Correct: the differences are 1, 2, 4 — doubling each time — so the next difference is 8 and the next number is 11 + 8 = 19.

C. Wrong: 17 would need the next difference to be 6, which breaks the doubling pattern 1, 2, 4.

D. Wrong: 26 would need the next difference to be 15, which breaks the doubling pattern 1, 2, 4.

This paper remains the paper of the Federal Public Service Commission. Ranjha Solutions branding is on this solved presentation only — the paper is not owned by Ranjha Solutions. FPSC publishes no past papers officially.

Past papers are **free** — no charge is taken from any student for papers. General Knowledge answers are as of the 2008 sitting.

Source: https://www.scribd.com/document/502354168/Advance-Model-Paper-Imtiaz-Shahid-50th-Edition (accessed 8 Nov 2026). See the source note on this page about the fold-in corrections.