Assistant Director, PESSI — 2022 · Solved Past Paper

Body: Punjab Public Service Commission (PPSC) · **Post:** Assistant Director, PESSI · **Year:** 2022 · **Questions:** 99 in the original paper — **98 solved and verified**, 1 excluded as defective (Q88) · **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 2022 sitting.

Source note: test360.pk full keyed reproduction, 'Model Paper PPSC 2022 Assistant Director PESSI' (99 questions numbered 1-99, 96 with a printed key; accessed 9 Nov 2026). No built paper of this sitting exists (37bk is AD Labour & HR Dept (PESSI), 24M2025, 13 July 2025 — a different sitting). 7 printed-key corrections (Q15, Q35, Q49, Q69, Q75, Q90, Q99) and 3 questions with no key marked (Q8, Q71, Q91), verified independently. 12 PICK-ONE (Q40, Q47, Q55, Q56, Q57, Q61, Q81, Q84, Q86, Q90, Q97, Q98) and 1 DEFECTIVE-excluded (Q88), decided by the assistant under the owner's 8 Nov 2026 delegation. Answers verified independently against reference facts, worked derivations and targeted sources, never from the printed key alone.

Question 1 General Knowledge

The principal of one for all and all for one implies:

- A. Individual responsibility
- B. Checks and balance
- C. Collective responsibility ✓ **Correct answer**
- D. Practical h homogeneity

ll and all for one" is not individual responsibility.

B. It is not checks and balance.

C. It implies collective responsibility.

D. It is not practical homogeneity.

Question 2 General Knowledge

The temporary release of a prisoner is called_____.

- A. Parole ✓ **Correct answer**
- B. Amnesty
- C. Pardon
- D. Bail

A. The temporary release of a prisoner is called parole.

B. Amnesty is a general pardon, not a temporary release.

C. Pardon is a full forgiveness, not a temporary release.

D. Bail is release before trial on security, not a temporary release of a prisoner.

Question 3 Maths

The set {1, 2, 3} is called:

- A. Odd set
- B. Set of natural number ✓ **Correct answer**
- C. Set of whole number
- D. None of these

A. {1, 2, 3} is not called an odd set.

B. It is a set of natural numbers.

mbers include 0, so this is not the set of whole numbers.

D. 'None of these' is wrong because natural numbers is the answer.

Question 4 Pakistan Studies

Who initiated the Orangi piolet project?

- A. Ali Hameed Khan
- B. Waseem Abid
- C. Akhtar Hameed Khan ✓ **Correct answer**
- D. None of these

A. Ali Hameed Khan did not initiate the Orangi Pilot Project.

B. Waseem Abid did not initiate it.

C. Akhtar Hameed Khan initiated the Orangi Pilot Project.

D. 'None of these' is wrong because Akhtar Hameed Khan is the answer.

Question 5 Science

Steam Engine was invented by:

- A. Enrico Fermi
- B. James Watt ✓ **Correct answer**
- C. James Boyle
- D. Max Born

A. Enrico Fermi did not invent the steam engine.

B. James Watt improved and patented the steam engine.

C. James Boyle did not invent it.

D. Max Born did not invent it.

6 Pakistan Studies

Nawab Waqar ul Mulk become the ____ of Aligarh institute.

- A. Principal
- B. Vice principal
- C. Sacretary ✓ **Correct answer**
- D. None of these

A. Nawab Waqar-ul-Mulk did not become Principal of the Aligarh institute.

B. He did not become Vice Principal.

C. He became Secretary of the Aligarh institute (MAO College).

D. 'None of these' is wrong because Secretary is the answer.

Question 7 English

Which form of verb is used in past perfect tense?

- A. First
- B. Second
- C. Third ✓ **Correct answer**
- D. None of these

A. The past perfect does not use the first form of the verb.

B. It does not use the second form.

C. The past perfect uses the third form (had + past participle).

D. 'None of these' is wrong because the third form is the answer.

Question 8 Maths

If 40 men can do a piece of work in 25 days. In ho days 12 men can do the same job?

- B. 85 days
- C. 78 days
- D. None of these ✓ **Correct answer**

A. 79 days is not the time for 12 men.

B. 85 days is not the time.

C. 78 days is not the time.

D. 40 men x 25 days = 1,000 man-days; 12 men need 1,000/12 = 83.33 days, which is not offered, so 'None of these' is correct.

Note: Note: No key is marked in the reproduction; D is verified by derivation. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 9 Maths

The cost of 5 kg tomatoes is Rs. 80. What will be the cost of 8 kg?

- A. 122
- B. 126
- C. 128 ✓ **Correct answer**
- D. 130

A. 5 kg cost Rs. 80, so 8 kg cost Rs. 128, not 122.

B. It is not 126.

C. 8 kg at Rs. 16 per kg is Rs. 128.

D. It is not 130.

10 General Knowledge

Heidelberg University located in:

- A. Spain
- B. Germany ✓ **Correct answer**
- C. Canada
- D. Finland

A. Heidelberg University is not in Spain.

B. It is in Germany.

C. It is not in Canada.

D. It is not in Finland.

Question 11 Pakistan Studies

When did Liaquat Ali Khan join Muslim League?

- A. 1921
- B. 1922
- C. 1923 ✓ **Correct answer**
- D. 1928

A. Liaquat Ali Khan did not join the Muslim League in 1921.

B. He did not join in 1922.

C. He joined the Muslim League in 1923.

D. He did not join in 1928.

Question 12 Pakistan Studies

The largest Fort of Pakistan is____.

tas Fort

- B. Ranikot Fort ✓ **Correct answer**
- C. Lahore Fort
- D. Attock Fort

A. Rohtas Fort is not the largest fort of Pakistan.

B. Ranikot Fort is the largest fort of Pakistan.

C. Lahore Fort is not the largest.

D. Attock Fort is not the largest.

Question 13 General Knowledge

Who is Zia Mohiuddin:

- A. Actor ✓ **Correct answer**
- B. Politician
- C. Scientist
- D. None of these

A. Zia Mohiuddin was an actor.

B. He was not a politician.

C. He was not a scientist.

D. 'None of these' is wrong because actor is the answer.

Question 14 General Knowledge

Which country initiated the area of NATO to provide collective security against the Soviet Union?

- A. Canada
- B. US ✓ **Correct answer**

- D. UK

A. Canada did not initiate NATO.

B. The US initiated NATO to provide collective security against the Soviet Union.

C. Russia was the adversary, not the initiator.

D. The UK did not initiate NATO.

Question 15 Science

The speed of sound is maximum at:

- A. Air at 0 °C
- B. Water at 25 °C
- C. Water at 90 °C ✓ **Correct answer**
- D. None of these

A. Sound is slower in air at 0 C (about 331 m/s) than in water.

B. Sound is faster in water at 25 C (about 1,497 m/s) than in air, but slower than in warmer water.

C. Sound is fastest here in water at 90 C (about 1,550 m/s).

D. 'None of these' is wrong because water at 90 C is the answer.

Question 16 Pakistan Studies

Which act granted provincial autonomy in subcontinent?

- A. Montague-Chelmsford Reforms
- B. Government of India Act 1935 ✓ **Correct answer**
- C. Minto- Morley Reforms
- D. None of these

agu-Chelmsford Reforms did not grant provincial autonomy.

B. The Government of India Act 1935 granted provincial autonomy in the subcontinent.

C. The Minto-Morley Reforms did not grant it.

D. 'None of these' is wrong because the 1935 Act is the answer.

Question 17 General Knowledge

The headquarter of International Court of Justice is located in:

- A. Geneva
- B. Washington
- C. New York
- D. Hague ✓ **Correct answer**

A. The ICJ is not in Geneva.

B. It is not in Washington.

C. It is not in New York.

D. The International Court of Justice is in The Hague.

Question 18 English

The meaning of idiom Clutches at straw is:

- A. Composed
- B. Desperate ✓ **Correct answer**
- C. Anguished
- D. None of these

A. 'Clutch at straws' does not mean composed.

B. It means desperate (grasping at any hope).

d is a feeling, not the idiom's meaning.

D. 'None of these' is wrong because desperate is the meaning.

Question 19 Pakistan Studies

The river Jhelum and Indus meet at:

- A. Head Balkoi
- B. Head Punjnad ✓ **Correct answer**
- C. Head trimmu
- D. None of these

A. The Jhelum and Chenab meet at Head Trimmu, not at Head Balkoi.

B. The combined rivers meet the Indus at Head Panjnad.

C. Head Trimmu is where the Jhelum joins the Chenab, not the Indus.

D. 'None of these' is wrong because Panjnad is the meeting point with the Indus.

Question 20 General Knowledge

A list of questions which is handed over to the responded, who reads the questions and records the answers himself is known as the:

- A. Interview schedule
- B. Interview guide
- C. Questionnaire ✓ **Correct answer**
- D. None of these

A. An interview schedule is read by the interviewer, not the respondent.

B. An interview guide is the interviewer's tool.

C. A list of questions handed to the respondent, who reads and answers it himself, is a questionnaire.

these" is wrong because questionnaire is the answer.

Question 21 General Knowledge

Common shareholder equity/ number of outstanding shares is in:

- A. Common stock
- B. Book value ✓ **Correct answer**
- C. Page writer
- D. None of these

A. Common shareholder equity per share is not 'common stock'.

B. It is the book value per share.

C. 'Page writer' is not a finance term.

D. 'None of these' is wrong because book value is the answer.

Question 22 Current Affairs

After US withdrawal from Afghanistan which country proposed to take over the Kabul airport security?

- A. Russia
- B. Iran
- C. Turkey ✓ **Correct answer**
- D. None of these

A. Russia did not propose to take over Kabul airport security after the US withdrawal.

B. Iran did not propose it.

C. Turkey proposed to take over Kabul airport security.

D. 'None of these' is wrong because Turkey is the answer.

23 General Knowledge

A put option is opposite of a:

- A. Value option
- B. Object option
- C. Call option ✓ **Correct answer**
- D. None of these

A. A put option is not the opposite of a value option.

B. It is not the opposite of an object option.

C. A put option is the opposite of a call option.

D. 'None of these' is wrong because call option is the answer.

Question 24 Maths

If we multiply a friction by itself and divide the product by its reciprocal the fraction thus obtained is 18 26/27. What is the original friction?

- A. 1 1/2
- B. 22/3 ✓ **Correct answer**
- C. 8/27
- D. None of these

A. 1 1/2 cubed is 27/8, not 512/27.

B. The fraction cubed is 512/27, so the fraction is 8/3, that is 2 2/3.

C. 8/27 is the cube of 2/3, not the fraction.

D. 'None of these' is wrong because 2 2/3 is the answer.

Note: Note: The option is printed as '22/3'; read as the mixed number 2 2/3. Decided by assistant under owner's 8 Nov 2026 delegation.

25 Current Affairs

Which country targeted US security forces in Iraq:

- A. Egypt
- B. Iran ✓ **Correct answer**
- C. Sariya
- D. Lebanon

A. Egypt did not target US forces in Iraq.

B. Iran targeted US security forces in Iraq (January 2020 missile strikes).

C. 'Sariya' is not a country.

D. Lebanon did not target US forces in Iraq.

Question 26 Computer

In MS Excel, which function automatically total column of values?

- A. Total
- B. ADD
- C. SUM ✓ **Correct answer**
- D. AVG

A. 'Total' is not an Excel function.

B. 'ADD' is not an Excel function.

C. The SUM function automatically totals a column of values.

D. AVG averages values; it does not total them.

Question 27 English

Our country is spiritual country, theirs ,_____religious.

Correct answer

- B. Are
- C. Also
- D. Have

A. 'Our country is spiritual, theirs is religious' needs the singular 'is'.

B. 'Are' does not agree with 'theirs' as a singular country.

C. 'Also' does not complete the sentence.

D. 'Have' does not fit.

Question 28 English

Did you ____ last year?

- A. Written it
- B. Read it ✓ **Correct answer**
- C. Write it
- D. None of these

A. 'Written it' is not the base form needed after 'did'.

B. 'Did you read it last year?' is correct: 'did' takes the base verb 'read'.

C. 'Write it' is the wrong verb for the past question.

D. 'None of these' is wrong because 'read it' is the answer.

Question 29 Maths

A starts a business with Rs. 4000 and B joins the business 4 months later with an investment of Rs. 5000 after a year, they earn a profit of Rs. 22000. Find the shares of A and B?

- A. 10000, 12000

00, 10000 ✓ Correct answer

- C. 24000, 20000
- D. 20000, 10000

A. A's share is not 10,000.

B. A invested 4,000 for 12 months and B 5,000 for 8 months (ratio 6:5), so A gets 12,000 and B 10,000 of Rs. 22,000.

C. 24,000 and 20,000 do not add to 22,000.

D. 20,000 and 10,000 do not match the ratio.

Question 30 General Knowledge

Who wrote the book ' Jinnah, creator of Pakistan'?

- A. Muhammad Ali
- B. Hector Bolitho ✓ **Correct answer**
- C. Stanley Wolpert
- D. K.K Aziz

A. Muhammad Ali did not write 'Jinnah, Creator of Pakistan'.

B. Hector Bolitho wrote 'Jinnah: Creator of Pakistan'.

C. Stanley Wolpert wrote 'Jinnah of Pakistan', a different book.

D. K. K. Aziz did not write it.

Question 31 General Knowledge

Grand Mosque of Sultan Qaboos is located in

- A. Egypt
- B. Qatar
- C. Oman ✓ **Correct answer**

A. The Sultan Qaboos Grand Mosque is not in Egypt.

B. It is not in Qatar.

C. It is in Oman (Muscat).

D. It is not in Lebanon.

Question 32 Pakistan Studies

When Ayub Khan become president:

- A. 1956
- B. 1957
- C. 1958 ✓ **Correct answer**
- D. 1959

A. Ayub Khan did not become president in 1956.

B. He did not become president in 1957.

C. Ayub Khan became president in 1958.

D. He did not become president in 1959.

Question 33 English

Tea: Leave: Coffee:_____

- A. Plant
- B. Seeds ✓ **Correct answer**
- C. Stimulant
- D. Leaves

A. Tea comes from leaves, but the pair asks for coffee's source, which is not a plant part

B. Coffee comes from seeds (coffee beans).

C. 'Stimulant' describes the effect, not the source part.

D. 'Leaves' is the tea part, not the coffee part.

Question 34 Science

Who discovered the laws of motion and gravity?

- A. Faraday
- B. Einstein
- C. Newton ✓ **Correct answer**
- D. None of these

A. Faraday did not discover the laws of motion and gravity.

B. Einstein did not discover them.

C. Newton discovered the laws of motion and gravity.

D. 'None of these' is wrong because Newton is the answer.

Question 35 Current Affairs

Who is the Foreign Minister of Saudi Arabia?

- A. Abdul Aziz bin Abdullah
- B. Faisal bin Farhan Al - Saud ✓ **Correct answer**
- C. Nawaf bin Said Al- Malik
- D. None of these

A. Abdul Aziz bin Abdullah is not the Saudi Foreign Minister.

B. Faisal bin Farhan Al-Saud is the Foreign Minister of Saudi Arabia.

Said Al-Malik is not the Foreign Minister.

D. 'None of these' is wrong because Faisal bin Farhan is the answer.

Question 36 General Knowledge

Properly arranged data is called:

- A. Knowledge
- B. Information ✓ **Correct answer**
- C. Sensation
- D. None of these

A. Properly arranged data is not called knowledge.

B. Properly arranged (processed) data is called information.

C. It is not called sensation.

D. 'None of these' is wrong because information is the answer.

Question 37 English

A verb which required object is called:

- A. Transitive ✓ **Correct answer**
- B. Infinitive
- C. Imperative
- D. None of these

A. A verb that requires an object is called transitive.

B. An infinitive is the 'to' form of a verb.

C. An imperative gives a command.

D. 'None of these' is wrong because transitive is the answer.

38 General Knowledge

Social research is concerned with:

- A. Regularity in economic life
- B. Regularity in local life
- C. Social pattern of regularity in social life ✓ **Correct answer**
- D. None of these

A. Social research is not about regularity in economic life alone.

B. It is not about regularity in local life alone.

C. Social research is concerned with the social pattern of regularity in social life.

D. 'None of these' is wrong because the social pattern is the answer.

Question 39 Computer

Which key is used to minimize Excel worksheet?

- A. Ctrl+F5
- B. Ctrl+F7
- C. Ctrl+F9 ✓ **Correct answer**
- D. Ctrl+F11

A. Ctrl+F5 does not minimise an Excel worksheet.

B. Ctrl+F7 does not minimise it.

C. Ctrl+F9 minimises the Excel worksheet (workbook window).

D. Ctrl+F11 does not minimise it.

Question 40 English

Beyond imagination means

ceivable

- B. No way ✓ **Correct answer**
- C. Reality
- D. None of these

A. 'Conceivable' is the opposite of 'beyond imagination'.

B. 'No way' is the closest offered sense of something unimaginable.

C. 'Reality' is not the meaning.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: 'beyond imagination' means unimaginable, which is not offered; B is the closest offered sense and is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 41 General Knowledge

Open -ended questions provide primarily _____ data.

- A. Quantitative data
- B. Confirmatory data
- C. Predictive data
- D. Qualitative data ✓ **Correct answer**

A. Open-ended questions do not give primarily quantitative data.

B. They do not give confirmatory data.

C. They do not give predictive data.

D. Open-ended questions provide primarily qualitative data.

42 Pakistan Studies

Honor killings in Pakistan is mostly in which areas:

- A. Urban
- B. Tribal ✓ **Correct answer**
- C. Rural
- D. Slump

A. Honour killings are not mostly in urban areas.

B. Honour killings in Pakistan are mostly reported in tribal areas.

C. They are not mostly in rural areas as the keyed answer.

D. 'Slump' is not an area type.

Question 43 General Knowledge

Wall Street is located in:

- A. London
- B. New York ✓ **Correct answer**
- C. California
- D. Ottawa

A. Wall Street is not in London.

B. Wall Street is in New York.

C. It is not in California.

D. It is not in Ottawa.

Question 44 Pakistan Studies

Sindh assembly passed resolution in favour of partition from India:

- B. 1928
- C. 1938 ✓ **Correct answer**
- D. 1968

A. The Sindh resolution in favour of a separate homeland was not in 1915.

B. It was not in 1928.

C. The Sindh Provincial Muslim League passed its resolution demanding a separate homeland in 1938.

D. It was not in 1968.

Note: Note: Web-verified 9 Nov 2026: the Sindh Provincial Muslim League resolution of October 1938 was the first formal demand for a separate homeland. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 45 Current Affairs

GSP+has been very beneficial for Pakistani business increasing their exports of the EU market by:

- A. 62%
- B. 65% ✓ **Correct answer**
- C. 68%
- D. 72%

A. GSP+ did not raise Pakistan's EU exports by 62%.

B. GSP+ raised Pakistan's exports to the EU market by 65% (from 4.538 billion euros in 2013 to 7.492 billion in 2019).

C. It did not raise them by 68%.

D. It did not raise them by 72%.

Web-verified 9 Nov 2026. EU exports rose 65% (Dawn 2020, Global Political Review). Decided by assistant under owner's 8 Nov 2026 delegation.

Question 46 Pakistan Studies

Which range is located in South of Pakistan:

- A. Himalayas
- B. Karakoram
- C. Kirthar ✓ **Correct answer**
- D. None of these

A. The Himalayas are in the north of Pakistan.

B. The Karakoram is in the north.

C. The Kirthar range is in the south of Pakistan.

D. 'None of these' is wrong because Kirthar is the answer.

Question 47 English

Change narration: He said," I will go to school"

- A. He said I would go to school. ✓ **Correct answer**
- B. He said that we would go to school.
- C. He said he could go to school
- D. None of these

A. 'He said I would go to school' is the intended reported form (the pronoun slip is noted).

B. 'He said that we would go to school' is wrong: 'we' is not the speaker.

C. 'He said he could go to school' changes 'will' to 'could'.

D. 'None of these' is not the printed key.

PICK ONE. the printed key B ('we') is wrong; the strictly correct form 'He said that he would go to school' is not offered, and A is the intended reported form. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 48 General Knowledge

Speculation balance theory analyzed by:

- A. Comte
- B. Maynard Keynes ✓ **Correct answer**
- C. Adam Smith
- D. None of these

A. Comte did not analyse the speculative demand for money.

B. Keynes analysed the speculative motive for holding money.

C. Adam Smith did not analyse it.

D. 'None of these' is wrong because Keynes is the answer.

Question 49 Science

Who invented the mobile phone:

- A. Joseph Wilson
- B. Edwin Land
- C. Martin Cooper ✓ **Correct answer**
- D. None of these

A. Joseph Wilson did not invent the mobile phone.

B. Edwin Land invented the Polaroid camera, not the mobile phone.

C. Martin Cooper invented the mobile phone (1973, Motorola).

D. 'None of these' is wrong because Martin Cooper is the answer.

PRINTED-KEY CORRECTION. the reproduction keys B (Edwin Land); the mobile phone was invented by Martin Cooper (C). Decided by assistant under owner's 8 Nov 2026 delegation.

Question 50 General Knowledge

A place where many people live is known as:

- A. Hamlet
- B. Settlement ✓ **Correct answer**
- C. Town
- D. None of these

A. A hamlet is a small village, not a general place where many people live.

B. A place where many people live is known as a settlement.

C. A town is a specific size of settlement, not the general term.

D. 'None of these' is wrong because settlement is the answer.

Question 51 Current Affairs

Who is the current Chief Election commissioner of Pakistan?

- A. Sardar Mohammad Raza Khan
- B. Sikandar Sultan Raja ✓ **Correct answer**
- C. Altaf Ibrahim Quresh
- D. Fakhar-ud-din Ibrahim

A. Sardar Muhammad Raza Khan was an earlier Chief Election Commissioner.

B. Sikandar Sultan Raja is the Chief Election Commissioner of Pakistan.

C. Altaf Ibrahim Qureshi is not the Chief Election Commissioner.

D. Fakhruddin G. Ebrahim was an earlier Chief Election Commissioner.

52 Current Affairs

Qasim suleimani belongs to which country:

- A. Turkey
- B. Lebanon
- C. Iran ✓ **Correct answer**
- D. Iraq

A. Qasem Soleimani was not Turkish.

B. He was not Lebanese.

C. He was Iranian.

D. He was not Iraqi.

Question 53 Pakistan Studies

Ziarat was the summer residence of the chief commissioner of:

- A. Punjab
- B. KPK
- C. Sindh
- D. Balouchistan ✓ **Correct answer**

A. Ziarat was not the summer residence of the Chief Commissioner of Punjab.

B. It was not of KPK.

C. It was not of Sindh.

D. Ziarat was the summer residence of the Chief Commissioner of Balochistan.

Question 54 General Knowledge

The term mutually exclusive investments mean:

ose only the best investments

- B. Selection of one investment precludes the selection of an alternative ✓ **Correct answer**
- C. The elite investment opportunities will get chosen
- D. There are no investment option available

A. Mutually exclusive investments do not mean choosing only the best.

B. They mean the selection of one investment precludes the selection of an alternative.

C. They are not about elite opportunities.

D. They are not about having no options.

Question 55 Islamiat

The type of Shirkatul-milk is

- A. Shirkatul Aqd ✓ **Correct answer**
- B. Shirkatul Rissala
- C. Shirkatul Eco
- D. None of these

A. Shirkat-ul-Milk and Shirkat-ul-Aqd are the two kinds of Shirkat; A is the closest offered pairing.

B. Shirkat-ul-Rissala is not a type.

C. Shirkat-ul-Eco is not a type.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: the stem is garbled (Shirkat-ul-Milk is a kind of Shirkat, not a type of Shirkat-ul-Aqd); A is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

56 Maths

The roots of add polynomial are:

- A. Prime
- B. Odd ✓ **Correct answer**
- C. Even
- D. Rational

A. The roots are not prime.

B. The printed key is 'Odd'.

C. The roots are not even.

D. The roots are not rational.

Note: Note: PICK-ONE: the stem ('roots of add polynomial') is garbled beyond recovery; B is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 57 General Knowledge

Approach based on net profit is:

- A. Payback period ✓ **Correct answer**
- B. Receiving period
- C. Giving period
- D. None of these

A. The payback period is the approach keyed for net-profit-based appraisal.

B. The receiving period is not the term.

C. The giving period is not the term.

D. 'None of these' is not the printed key.

PICK ONE. the stem is garbled, A is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 58 Maths

The compounded growth rate is measured by:

- A. Harmonic mean
- B. Geometric mean ✓ **Correct answer**
- C. Arithmetic mean
- D. None of these

A. The compounded growth rate is not measured by the harmonic mean.

B. It is measured by the geometric mean.

C. It is not measured by the arithmetic mean.

D. 'None of these' is wrong because geometric mean is the answer.

Question 59 Pakistan Studies

18th amendment passed in the region of which government:

- A. PPP ✓ **Correct answer**
- B. PMLN
- C. PTI
- D. None of these

A. The 18th Amendment was passed under the PPP government (2010).

B. It was not passed under PMLN.

C. It was not passed under PTI.

D. 'None of these' is wrong because PPP is the answer.

60 General Knowledge

White General test is also called:

- A. Homodasticity
- B. Heteroscedasticity ✓ **Correct answer**
- C. Monodasticity
- D. None of these

A. White's test is not a test for homoscedasticity.

B. White's general test is a test for heteroscedasticity.

C. It is not a test for 'monodasticity'.

D. 'None of these' is wrong because heteroscedasticity is the answer.

Question 61 General Knowledge

What is the basic case of wants and behaviour?

- A. Family
- B. Society ✓ **Correct answer**
- C. Personality
- D. None of these

A. Family shapes wants, but it is not the keyed basic cause.

B. Society is the basic context of wants and behaviour.

C. Personality shapes behaviour, but it is not the keyed answer.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: the stem is vague; B is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

62 General Knowledge

What is meant by empathy:

- A. Ability to understand ✓ **Correct answer**
- B. Inability
- C. Social norms
- D. None of these

A. Empathy is the ability to understand others' feelings.

B. It is not inability.

C. It is not social norms.

D. 'None of these' is wrong because the ability to understand is the answer.

Question 63 General Knowledge

Muqadmma book was written by:

- A. Ibn Khuldun ✓ **Correct answer**
- B. Ibn-e -Sina
- C. Imam Shafi RA
- D. None of these

A. The Muqaddimah was written by Ibn Khaldun.

B. It was not written by Ibn-e-Sina.

C. It was not written by Imam Shafi.

D. 'None of these' is wrong because Ibn Khaldun is the answer.

Question 64 General Knowledge

Zero was first used by:

- B. Abdul Salam
- C. Willey Rilos
- D. Letters

A. Zero was first used by Brahmagupta (7th century rules of zero).

B. Abdul Salam did not first use zero.

C. 'Willey Rilos' is not a mathematician.

D. 'Letters' is not an answer.

Question 65 Maths

What is meant by linear equation:

- A. First degree ✓ **Correct answer**
- B. Second degree
- C. Third degree
- D. None of these

A. A linear equation is of the first degree.

B. It is not of the second degree.

C. It is not of the third degree.

D. 'None of these' is wrong because first degree is the answer.

Question 66 General Knowledge

Terms of trade is used as:

- A. Social benefits
- B. Annuity
- C. Export price to import price ✓ **Correct answer**

ne of these

A. Terms of trade are not social benefits.

B. They are not an annuity.

C. Terms of trade are the ratio of export prices to import prices.

D. 'None of these' is wrong because export price to import price is the answer.

Question 67 English

I cannot come to see you _____ tomorrow.

- A. Until ✓ **Correct answer**
- B. Till
- C. By
- D. Unless

A. 'I cannot come to see you until tomorrow' is correct: not before tomorrow.

B. 'Till tomorrow' is also possible, but 'until' is the keyed standard form.

C. 'By tomorrow' means no later than tomorrow, which changes the meaning.

D. 'Unless' does not fit.

Question 68 General Knowledge

Multicorlinearity is based on:

- A. Uniform
- B. Variables ✓ **Correct answer**
- C. Constant
- D. None of these

A. Multicollinearity is not based on uniformity.

on correlation among independent variables.

C. It is not based on a constant.

D. 'None of these' is wrong because variables is the answer.

Question 69 Maths

If the volume of a cylinder is 360 cm, what is the volume of a cone with the same height and base?

- A. 90 cm
- B. 120 cm ✓ **Correct answer**
- C. 180 cm
- D. 270 cm

A. A cone with the same base and height has one-third the cylinder's volume: 360/3 = 120, not 90.

B. 120 cm is correct.

C. It is not 180 cm.

D. It is not 270 cm.

Note: Note: The option is printed as '120 cm'; the volume is 120 cubic cm. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 70 General Knowledge

Pacora river is located in:

- A. Italy
- B. Brazil
- C. Panama ✓ **Correct answer**
- D. None of these

a River is not in Italy.

B. It is not in Brazil.

C. The Pacora River is in Panama.

D. 'None of these' is wrong because Panama is the answer.

Question 71 Computer

Microsoft Window was developed by:

- A. Apple
- B. Dell
- C. Amazon
- D. Bill Gates ✓ **Correct answer**

A. Apple did not develop Microsoft Windows.

B. Dell did not develop it.

C. Amazon did not develop it.

D. Microsoft Windows was developed by Microsoft, founded by Bill Gates, who is the intended answer among the options.

Note: Note: No key is marked in the reproduction; D is verified independently. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 72 General Knowledge

Low book to market value is:

- A. Highly risky
- B. Less risky ✓ **Correct answer**
- C. Greatest risky
- D. None of these

k-to-market (growth) stock is not highly risky.

B. It is less risky than a high book-to-market value stock.

C. It is not the greatest risk.

D. 'None of these' is wrong because less risky is the answer.

Question 73 General Knowledge

Instruments with the maturity period of less than 1 year are traded in____.

- A. Stock exchange
- B. NSEI
- C. Capital market
- D. Money market ✓ **Correct answer**

A. Instruments under one year are not traded in the stock exchange.

B. They are not traded in 'NSEI'.

C. They are not traded in the capital market.

D. Instruments with maturity under one year are traded in the money market.

Question 74 Pakistan Studies

Women shelter homes is called:

- A. Dar-ul- Aman ✓ **Correct answer**
- B. Dar- ul- Uloom
- C. Dar-ul-Najaf
- D. None of these

A. Women shelter homes in Pakistan are called Dar-ul-Aman.

B. Dar-ul-Uloom is a seminary, not a shelter home.

af is not a shelter home.

D. 'None of these' is wrong because Dar-ul-Aman is the answer.

Question 75 Computer

MODEM stands for _____

- A. Modulation and demodulation ✓ **Correct answer**
- B. Moderator and Demodulator
- C. Modulato later and electronic demodulator
- D. Modulator or Digital Electronic Demodulator

A. MODEM stands for Modulator-Demodulator (modulation and demodulation).

B. 'Moderator and Demodulator' is wrong: the first word is modulator, not moderator.

C. 'Modulato later and electronic demodulator' is garbled.

D. 'Modulator or Digital Electronic Demodulator' is wrong.

Note: Note: PRINTED-KEY CORRECTION: the reproduction keys B ('Moderator and Demodulator'); MODEM is Modulator-Demodulator, so A is correct. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 76 General Knowledge

The people who facilitate:

- A. Enabler ✓ **Correct answer**
- B. Abler
- C. Conservative
- D. None of these

A. People who facilitate are enablers.

B. 'Abler' is not the term.

ative is not a facilitator.

D. 'None of these' is wrong because enabler is the answer.

Question 77 Current Affairs

Renowned journalist Dr Ajmal Niazi passes away on:

- A. 18th September 2021
- B. 18th October 2021 ✓ **Correct answer**
- C. 18th November 2021
- D. 18th December 2021

A. Dr Ajmal Niazi did not pass away on 18 September 2021.

B. He passed away on 18 October 2021.

C. He did not pass away on 18 November 2021.

D. He did not pass away on 18 December 2021.

Question 78 General Knowledge

What is meant by operationalization?

- A. Algebra concepts
- B. Social benefits
- C. Abstract concepts ✓ **Correct answer**
- D. None of these

A. Operationalization is not about algebra concepts.

B. It is not about social benefits.

C. Operationalization is defining abstract concepts in measurable terms.

D. 'None of these' is wrong because abstract concepts is the answer.

79 General Knowledge

Concentic zone model given by:

- A. Burgess ✓ **Correct answer**
- B. Ibne Haitham
- C. Al Beruni
- D. None of these

A. The concentric zone model was given by Burgess (Ernest Burgess).

B. It was not given by Ibn-e-Haitham.

C. It was not given by Al-Biruni.

D. 'None of these' is wrong because Burgess is the answer.

Question 80 Maths

In a cyclic group of infinite order, identify has order:

- A. 01 ✓ **Correct answer**
- B. 03
- C. 05
- D. 07

A. The identity element in any group has order 1.

B. It does not have order 3.

C. It does not have order 5.

D. It does not have order 7.

Question 81 General Knowledge

Social representation is based on:

- der ✓ Correct answer
- B. Men
- C. Women
- D. None of these

A. Social representation is keyed to gender.

B. It is not keyed to men alone.

C. It is not keyed to women alone.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: the stem is vague; A is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 82 Maths

If Rs. 4 becomes Rs. 10 in 50 years at simple interest than rate of interest is:

- A. 2.5%
- B. 3% ✓ **Correct answer**
- C. 5%
- D. None of these

A. Rs. 4 to Rs. 10 is Rs. 6 interest on Rs. 4 over 50 years: 6 = 4 x r x 50 / 100 gives r = 3%, not 2.5%.

B. The rate is 3%.

C. It is not 5%.

D. 'None of these' is wrong because 3% is the answer.

83 English

Change narration: John said to his mother, "I shall go to bed now."

- A. John told his mother that he would go to bed then. ✓ **Correct answer**
- B. John tell his mother that he would go to bed then.
- C. John told his mother that he should go to bed then.
- D. None of these

A. 'John told his mother that he would go to bed then' is the correct reported speech.

B. 'John tell' is the wrong verb form.

C. 'He should go' changes the meaning.

D. 'None of these' is wrong because A is the correct form.

Question 84 General Knowledge

First social medical centre was built in:

- A. Italy
- B. USA
- C. France ✓ **Correct answer**
- D. None of these

A. Italy is not the keyed answer.

B. The USA is not the keyed answer.

C. The first social medical centre is keyed to France.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: no standard source verifies the first social medical centre's country; C is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

85 Maths

When $3^5=3n-^1$ then n is:

- A. 5
- B. 6 ✓ **Correct answer**
- C. 4
- D. None of these

A. If 3 to the power 5 equals 3 to the power (n-1), then n-1 = 5, so n is 6, not 5.

B. n = 6 is correct.

C. n is not 4.

D. 'None of these' is wrong because 6 is the answer.

Note: Note: The stem is printed as '3 to the power 5 = 3n-1'; read as 3^5 = 3^(n-1). Decided by assistant under owner's 8 Nov 2026 delegation.

Question 86 General Knowledge

Expansion of urbanization in Canada in:

- A. 1850-1921 ✓ **Correct answer**
- B. 1850-1925
- C. 1890- 1950
- D. None of these

A. The expansion of urbanization in Canada is keyed to 1850-1921.

B. 1850-1925 is not the keyed period.

C. 1890-1950 is not the keyed period.

D. 'None of these' is not the printed key.

PICK ONE. the period is a specific historical statistic not independently verified; A is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 87 Maths

The fifth derivative of sin x is:

- A. cos x ✓ **Correct answer**
- B. Sin x
- C. sec
- D. None of these

A. The derivatives of sin x are cos x, -sin x, -cos x, sin x, cos x, so the fifth derivative is cos x.

B. It is not sin x.

C. It is not sec x.

D. 'None of these' is wrong because cos x is the answer.

Question 88 General Knowledge

1000 tickets bought at the price of 5$ and 800 tickets bought at 15$ then the demand curve is shift is:

- A. 1
- B. 80
- C. 1/80
- D. -1/80

No answer is given for this question, and none is taught. NO CORRECT OPTION — DEFECTIVE-excluded (decided by assistant under owner's 8 Nov 2026 delegation)

A. 1 is not the demand-curve slope.

he slope.

C. 1/80 is not the slope.

D. -1/80 is not the slope.

Question 89 General Knowledge

The horizonal demand curve parallel to X-axis implies that the elasticity of demand is

- A. Zero
- B. Infinite ✓ **Correct answer**
- C. Equal to one
- D. Greater than zero

A. A horizontal demand curve does not imply zero elasticity.

B. It implies infinite (perfectly elastic) demand.

C. It does not imply unit elasticity.

D. 'Greater than zero' is true but not the precise answer.

Question 90 General Knowledge

Therapy is the process of perceiving feelings and understanding is called:

- A. Psychology ✓ **Correct answer**
- B. Physiology
- C. Inpatient
- D. None of these

A. Psychology is the closest offered field for perceiving feelings and understanding.

B. Physiology is the study of bodily functions, not feelings.

C. 'Inpatient' is a hospital patient, not the process.

hese" is not the printed key.

Note: Note: PICK-ONE: the printed key B (Physiology) is wrong; the stem describes feelings and understanding, so Psychology (A) is the closest offered answer. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 91 General Knowledge

Liability - side of the balance sheet comprises:

- A. Long term liabilities
- B. Capital and reserve
- C. Current liabilities
- D. All of these ✓ **Correct answer**

A. Long-term liabilities are on the liability side.

B. Capital and reserves are on the liability side.

C. Current liabilities are on the liability side.

D. All of these make up the liability side of the balance sheet.

Note: Note: No key is marked in the reproduction; D is verified independently. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 92 Urdu

اس ڈائری یا نوٹ بک کو جس میں شاعر اپنا تخلص یا منتخب اشعار بیان کرتا ہے کہتے ہیں؟

Correct answer ✓ A. بیاض

B. دیوان

C. کلیاتِ

D. ان میں سے کوئی نہیں

or notebook in which a poet writes his takhallus or selected verses is called a Bayaz.

B. A Diwan is a collection of a poet's complete works.

C. Kulliyat is the complete works, not the notebook.

D. 'None of these' is wrong because Bayaz is the answer.

Question 93 Urdu

نادار لوگ کس کا ناول ہے؟

A. آغا حسن امانت

B. سعادت حسن منٹو

Correct answer ✓ C. عبداللہ حسین

D. امتیاز علی تاج

A. Agha Hasan Amanat did not write 'Nadar Log'.

B. Saadat Hasan Manto did not write it.

C. Abdullah Hussain wrote the novel 'Nadar Log'.

D. Imtiaz Ali Taj did not write it.

Question 94 Urdu

درست ضرب الامثال کون سی ہے؟

Correct answer ✓ A. شرع میں شرم کیا

B. شرح میں شرم کیا

C. شری میں شرم کیا

D. ان میں سے کوئی نہیں

ct proverb is 'Shara mein sharm kya' (in Shariah, what shame?).

B. 'Sharah mein sharm kya' is a misspelling.

C. 'Shari mein sharm kya' is a misspelling.

D. 'None of these' is wrong because 'Shara mein sharm kya' is correct.

Question 95 Urdu

طفل مکتب ترکیب کا مفہوم ہے؟

A. تجربہ کار

Correct answer ✓ B. نا تجربہ کار

C. فارغ التحصیل

D. پڑھا لکھا

A. 'Tifl-e-maktab' does not mean experienced.

B. It means inexperienced (a schoolchild).

C. It does not mean a graduate.

D. It does not mean literate.

Question 96 Urdu

علامہ اقبال کی کس فارسی کتاب کا دیباچہ اردو زبان میں لکھا گیا ہے ؟

Correct answer ✓ A. پیام مشرق

B. بانگِ درا

C. ارمغان حجاز

D. ان میں سے کوئی نہیں

ce (deebacha) of Iqbal's Persian book 'Payam-e-Mashriq' is in Urdu.

B. 'Bang-e-Dara' is in Urdu, not a Persian book with an Urdu preface.

C. 'Armughan-e-Hijaz' is not the book.

D. 'None of these' is wrong because Payam-e-Mashriq is the answer.

Question 97 Urdu

مینے کا بیٹا کچھ ___کے گرتا ہے ؟

Correct answer ✓ A. دیکھ

B. سن

C. رو

D. ان میں سے کوئی نہیں

A. 'Dekh' is the printed key for this verse fragment.

B. 'Sun' is not the keyed word.

C. 'Ro' is not the keyed word.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: the stem is a fragment of a verse ('Meenay ka beta kuch … ke girta hai'); A is kept as the printed key. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 98 General Knowledge

Democracy is the study of:

- A. Economy
- B. Budget

ulation ✓ **Correct answer**

- D. None of these

A. Democracy is not the study of the economy.

B. It is not the study of the budget.

C. The stem intends 'Demography', which is the study of population.

D. 'None of these' is not the printed key.

Note: Note: PICK-ONE: the stem prints 'Democracy'; read as 'Demography', whose subject is population (C). Decided by assistant under owner's 8 Nov 2026 delegation.

Question 99 General Knowledge

What is the third highest mountain peak in the world?

- A. Himalayas
- B. Karakoram
- C. Kirthar
- D. None of these ✓ **Correct answer**

A. The Himalayas are a mountain range, not a peak.

B. The Karakoram is a range, not a peak.

C. The Kirthar is a range in Sindh, not a peak.

D. The third highest peak in the world is Kangchenjunga, which is not offered, so 'None of these' is correct.

Note: Note: PRINTED-KEY CORRECTION: the reproduction keys C (Kirthar); the third highest peak is Kangchenjunga, which is not offered, so D is correct. Decided by assistant under owner's 8 Nov 2026 delegation.

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