Computer Instructor (BS-17) 26G2024, Punjab Special Education Department — 2024 · Solved Past Paper

Body: Punjab Public Service Commission (PPSC) · **Post:** Computer Instructor (BS-17) 26G2024, Punjab Special Education Department · **Year:** 2024 · **Questions:** 30 in the original paper — **30 solved and verified**, none excluded · **Price:** Free

> **How to use this paper:** each question shows the stem, the four options, and the correct answer. Click “Why each option?” under a question to see all four options explained — one question teaches four topics. General Knowledge answers are as of the 2024 sitting.

Source note: test360.pk full keyed reproduction, 'Model Paper PPSC 2024 Computer Instructor BS-17 26G2024 Punjab Special Education 14-07-2024' (30 questions numbered 1-30, 29 with a single printed key and 1, Q17, with no printed key; accessed 9 Nov 2026). No built paper of this sitting exists. 1 printed-key correction and 1 missing key supplied independently, 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

Bali is an island of

- A. Australia
- B. Canada
- C. US
- D. Indonesia ✓ **Correct answer**

an island of Australia.

B. Bali is not an island of Canada.

C. Bali is not an island of the US.

D. Bali is an island of Indonesia.

Question 2 General Knowledge

Little Boy type of bomb,which was dropped on the Japanese city of:

- A. Nagoya
- B. Nagasaki
- C. Hiroshima ✓ **Correct answer**
- D. Osaka

A. The Little Boy bomb was not dropped on Nagoya.

B. The Fat Man bomb was dropped on Nagasaki, not Little Boy.

C. The Little Boy atomic bomb was dropped on Hiroshima on 6 August 1945.

D. The Little Boy bomb was not dropped on Osaka.

Question 3 Everyday Science

The study of insect is called:

- A. Anthropology
- B. Entomology ✓ **Correct answer**
- C. Ornithology
- D. Geology

A. Anthropology is the study of humans, not of insects.

B. Entomology is the study of insects.

gy is the study of birds, not of insects.

D. Geology is the study of the Earth, not of insects.

Question 4 Everyday Science

Study of interaction of living organism when other organisms and their environment and relates with:

- A. Botany
- B. Ecology ✓ **Correct answer**
- C. Social biology
- D. Pharmacology

A. Botany is the study of plants, not of organisms interacting with each other and their environment.

B. Ecology is the study of the interaction of living organisms with each other and their environment.

C. Social biology is not the standard name for this study.

D. Pharmacology is the study of drugs, not of organisms and their environment.

Question 5 Everyday Science

Which of the following components is rich in fat:

- A. Banana
- B. Butter ✓ **Correct answer**
- C. Milk
- D. None of these

A. Banana is rich in carbohydrates and potassium, not in fat.

B. Butter is rich in fat.

ins some fat, but butter is far richer in fat.

D. Butter is among the options and is rich in fat, so 'none of these' is wrong.

Question 6 Everyday Science

CNG burns less efficiency than which gas:

- A. Butane
- B. Propane ✓ **Correct answer**
- C. Methane
- D. Hydrogen

A. Butane is an LPG fuel with higher energy content than CNG, but the keyed comparison in this paper is with propane.

B. CNG (methane) has a lower energy content than propane, so it burns less efficiently than propane; this is the printed key.

C. CNG is methane itself, so it cannot burn less efficiently than methane.

D. Hydrogen burns very efficiently and is not the gas CNG is compared with here.

Question 7 Computer Science

How many bits are equivalent to 4 bytes:

- A. 128 bits
- B. 256 bits
- C. 32 bits ✓ **Correct answer**
- D. 64 bits

A. 4 bytes is not 128 bits; 128 bits is 16 bytes.

B. 4 bytes is not 256 bits; 256 bits is 32 bytes.

C. One byte is 8 bits, so 4 bytes is 32 bits.

not 64 bits, 64 bits is 8 bytes.

Question 8 Computer Science

What are the typical responsibilities of a software manager:

- A. Planning software projects
- B. Leading development teams
- C. Managing budgets and resources
- D. All of these ✓ **Correct answer**

A. Planning software projects is a software manager's responsibility, but not the only one listed.

B. Leading development teams is a software manager's responsibility, but not the only one listed.

C. Managing budgets and resources is a software manager's responsibility, but not the only one listed.

D. A software manager does all of these, so 'all of these' is right.

Question 9 Computer Science

What are networks good for:

- A. Reliability
- B. Performance
- C. Security
- D. All of these ✓ **Correct answer**

A. Networks are good for reliability, but not only for that.

B. Networks are good for performance, but not only for that.

C. Networks are good for security, but not only for that.

are good for reliability, performance and security, so 'all of these' is right.

Question 10 Computer Science

Which computational problem deals with the arrangement and sequence of element in order:

- A. Searching
- B. Sorting ✓ **Correct answer**
- C. Indexing
- D. None of these

A. Searching finds an element, it does not arrange elements in order.

B. Sorting arranges elements in a required order.

C. Indexing builds an index for fast lookup, it does not arrange elements in order.

D. Sorting is among the options, so 'none of these' is wrong.

Question 11 Computer Science

Which type of inheritance is not supported by Java:

- A. Multiple inheritance ✓ **Correct answer**
- B. Single inheritance
- C. Multilevel inheritance
- D. None of these

A. Java does not support multiple inheritance of classes (a class cannot extend two classes).

B. Java supports single inheritance.

C. Java supports multilevel inheritance.

D. Multiple inheritance is among the options as the unsupported type, so 'none of these' is

Question 12 Computer Science

In C and C++ programming languages, which symbol is used to access the value sorted at a memory address:

- A. •
- B. %
- C. #
- D. * ✓ **Correct answer**

A. The bullet is not the C/C++ dereference operator.

B. The percent sign is the modulo operator, not the dereference operator.

C. The hash is the preprocessor symbol, not the dereference operator.

D. The asterisk (*) is used in C and C++ to access the value stored at a memory address.

Question 13 Computer Science

Which type of signals typically travel through traditional telephone lines:

- A. Pulse signals
- B. Analog signals ✓ **Correct answer**
- C. Binary signals
- D. Digital signals

A. Pulse signals are not what traditional telephone lines typically carry.

B. Traditional telephone lines carry analogue (analog) voice signals.

C. Binary signals are digital, not what traditional telephone lines typically carry.

D. Digital signals are not what traditional telephone lines typically carry.

14 Computer Science

Which process is used to convert digital signals into analogue signals for transformation over communication channels:

- A. Multiplexing
- B. Decoding
- C. Encoding
- D. Modulation ✓ **Correct answer**

A. Multiplexing combines several signals into one channel, it does not convert digital to analogue.

B. Decoding converts a coded signal back to its original form, not digital to analogue.

C. Encoding converts data into a coded form, not digital to analogue.

D. Modulation converts digital signals into analogue signals for transmission over communication channels.

Question 15 Computer Science

Which regular expressions belong to R where R=ab° cb°R=ab°+cb°?

- A. Abb
- B. cb
- C. ab
- D. All of these ✓ **Correct answer**

A. 'Abb' belongs to R under the intended reading (ab* gives 'abb'), so it is not the only member.

B. 'cb' belongs to R under the intended reading (cb* gives 'cb'), so it is not the only member.

C. 'ab' belongs to R under the intended reading (ab* gives 'ab'), so it is not the only

D. Under the intended reading R = ab* + cb*, all three strings belong to R, so 'all of these' is the printed key, kept as the best-listed answer.

Note: Note: PICK-ONE — the notation as printed is garbled ('R=ab° cb°R=ab°+cb°', with ° for *); under the intended reading R = ab* + cb*, all three strings belong to R. Raw HTML confirms the stem as printed. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 16 Pakistan Studies

Tipu Sultan had requested for help in driving the British away from India?

- A. Hitler
- B. Napoleon ✓ **Correct answer**
- C. Rani of Jhansi
- D. Jai singh

A. Tipu Sultan did not ask Hitler for help; Hitler lived two centuries later.

B. Tipu Sultan sought help from Napoleon against the British.

C. The Rani of Jhansi fought the British a century later; Tipu did not ask her for help.

D. Jai Singh was not the ruler Tipu asked for help.

Question 17 Pakistan Studies

Quaid-e-Azam visited which country in December 1947?

- A. Iran
- B. Afghanistan ✓ **Correct answer**
- C. China
- D. None of these

A. Quaid-e-Azam did not visit Iran in December 1947.

zam visited Afghanistan in December 1947 to strengthen diplomatic relations; this is the answer given in pakmcqs' reproduction of the same question in the PPSC 2024 AD (Accounts) / Lecturer Psychology paper, and it is supplied here because the test360 reproduction carries no printed key for this question.

C. Quaid-e-Azam did not visit China in December 1947.

D. He did visit Afghanistan in December 1947, so 'none of these' is wrong.

Note: Note: NO PRINTED KEY in the test360 reproduction for this question; B (Afghanistan) is supplied independently from pakmcqs' reproduction of the same question (PPSC 2024 AD (Accounts) / Lecturer Psychology past paper), which keys it B with the explanation that he visited Afghanistan in December 1947 to strengthen diplomatic relations. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 18 Pakistan Studies

Which kind of system of Government was introduced by the 1962 constitution?

- A. Unicameral ✓ **Correct answer**
- B. Bicameral
- C. Confederate
- D. None of these

A. The 1962 constitution introduced a presidential system with a unicameral legislature.

B. The 1962 constitution did not introduce a bicameral system; that came with the 1973 constitution.

C. The 1962 constitution did not introduce a confederate system.

D. The 1962 constitution did introduce the unicameral system, so 'none of these' is wrong.

19 Pakistan Studies

Benazir Bhutto was assassinated in:

- A. 2004
- B. 2005
- C. 2007 ✓ **Correct answer**
- D. 2006

A. Benazir Bhutto was not assassinated in 2004.

B. Benazir Bhutto was not assassinated in 2005.

C. Benazir Bhutto was assassinated on 27 December 2007.

D. Benazir Bhutto was not assassinated in 2006.

Question 20 Current Affairs

Why Us left Afghanistan in 2021:

- A. Because us had no reason to stay ✓ **Correct answer**
- B. Because they achieved all they are objectives
- C. Due to increasing International pressure
- D. As part of a planned military strategy

A. The keyed rationale for the 2021 US withdrawal is that the US had no reason to stay, the mission in Afghanistan having ended; this is the printed key, kept as the best-listed answer.

B. The US had not achieved all its objectives in Afghanistan, so this is not the keyed rationale.

C. Increasing international pressure was not the keyed rationale for the withdrawal.

D. The withdrawal was carried out under the Doha agreement, so a planned military strategy is also defensible, which is why this is a PICK-ONE.

PICK ONE — the keyed rationale (A) is the source's intended answer, but the withdrawal under the Doha agreement (D) is also defensible; the printed A is kept.

Decided by assistant under owner's 8 Nov 2026 delegation.

Question 21 English

Select the most appropriate under antonym of the given word. inspid

- A. Explicit
- B. Tasty ✓ **Correct answer**
- C. Immense
- D. Opaque

A. Explicit means clearly stated, not the antonym of insipid.

B. Insipid means tasteless and dull; its antonym is tasty.

C. Immense means huge, not the antonym of insipid.

D. Opaque means not transparent, not the antonym of insipid.

Question 22 English

She has not been waiting ____two years.

- A. Within
- B. For ✓ **Correct answer**
- C. Since
- D. Until

A. 'Within two years' does not fit 'has not been waiting'.

B. 'For' is used with a period of time: 'She has not been waiting for two years.'

C. 'Since' is used with a point in time, not a period like 'two years'.

D. 'Until' means up to a point in time, it does not fit here.

23 English

Identify the Past Perfect Sentence:

- A. She has laugh.
- B. She had laughed ✓ **Correct answer**
- C. She has laughing
- D. None of these

A. 'She has laugh' is ungrammatical; the past participle is 'laughed'.

B. 'She had laughed' is the past perfect (had + past participle).

C. 'She has laughing' is ungrammatical.

D. The past perfect sentence is among the options, so 'none of these' is wrong.

Question 24 Computer Science

A compound proposition that is neither a tautology nor a contradiction is called a:

- A. Inference
- B. Contingency ✓ **Correct answer**
- C. Condition
- D. Equivalence

A. An inference is a conclusion drawn from premises, not the name for this kind of proposition.

B. A compound proposition that is neither a tautology nor a contradiction is called a contingency; the printed A (inference) is wrong.

C. A condition is a conditional proposition, not the name for this kind of proposition.

D. An equivalence is a proposition that is always true when its parts match, not the name for this kind of proposition.

PRINTED-KEY CORRECTION: A to B. A compound proposition that is neither a tautology nor a contradiction is a contingency, not an inference. Decided by assistant under owner's 8 Nov 2026 delegation.

Question 25 English

The research study is an eye-opener and us with the problems of poor.

- A. attempted to acquaint
- B. attempt to acquaint
- C. attempts at acquainting ✓ **Correct answer**
- D. attempting to acquaint

A. 'Attempted to acquaint' breaks the parallel structure after 'is an eye-opener and'.

B. 'Attempt to acquaint' does not agree with the singular subject 'study'.

C. 'Attempts at acquainting' keeps subject-verb agreement and fits the sentence: 'The research study is an eye-opener and attempts at acquainting us with the problems of the poor.'

D. 'Attempting to acquaint' does not sit parallel with 'is an eye-opener'.

Question 26 English

The following question, consists of 2 words is that have a certain relationship certain relationship to each other, followed by four lettered pairs of words . Select the lettered pair that has the same relationship as the original pair of words:Elusive: Capture

- A. Gullible:Trick
- B. Elastic:Stretch
- C. Sensible:Stretch
- D. Headstrong:control ✓ **Correct answer**

A. Gullible means easily tricked, but the pair does not match the elusive-capture relation.

ans able to stretch, but the pair does not match the relation.

C. Sensible does not relate to stretch in the required way.

D. Elusive means hard to capture, and headstrong means hard to control, so the relation matches.

Question 27 Mathematics

What is the ratio of 12 minute to 1 hour:

- A. 1:9
- B. 1:12
- C. 1:5 ✓ **Correct answer**
- D. 1:6

A. 12 minutes to 1 hour is not 1:9; 1 hour is 60 minutes, and 12/60 = 1/5.

B. 12 minutes to 1 hour is not 1:12.

C. 12 minutes to 60 minutes is 12:60, which simplifies to 1:5.

D. 12 minutes to 1 hour is not 1:6.

Question 28 Mathematics

If the number of elements in set A is 20, in set B is 30, and the number of elements in the union of sets A and B is 40, what is the number of elements in the intersection of sets

- A. 20
- B. 10 ✓ **Correct answer**
- C. 15
- D. 5

A. 20 is not the intersection: |A union B| = |A| + |B| - |A intersection B|, so 40 = 20 + 30 - x, giving x = 10.

lusion-exclusion rule, 40 = 20 + 30 - x, so the intersection has 10 elements.

C. 15 is not the intersection; the rule gives 10.

D. 5 is not the intersection; the rule gives 10.

Question 29 Mathematics

Even values of real symmetric matrix are always:

- A. Real ✓ **Correct answer**
- B. Complex
- C. Negative
- D. Positive

A. The eigenvalues of a real symmetric matrix are always real.

B. The eigenvalues of a real symmetric matrix are not complex; they are always real.

C. The eigenvalues of a real symmetric matrix are not always negative.

D. The eigenvalues of a real symmetric matrix are not always positive.

Question 30 Urdu

اندھا کیا جانے_____

Correct answer ✓ A. بسنت کی بہار

B. بساکھی کی بہار

C. دریا کی بہار

D. مو سم کی بہار

A. The proverb is 'Andha kya jane Basant ki bahar' — what does a blind man know of the spring.

rb does not say 'Basakhi ki bahar'.

C. The proverb does not say 'Darya ki bahar'.

D. The proverb does not say 'Mausam ki bahar'.

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