

JEECUP 2024 Group C Polytechnic Question Paper with Solution

Time Allowed :2 Hours 20 minutes	Maximum Marks :400	Total Questions :100
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General Instructions

Read the following carefully and follow them strictly:

The paper consists of **100 multiple-choice questions (MCQs)**. For each correct answer, **+4 marks** will be awarded, and for each incorrect answer, **-1 mark** will be deducted.

2. If a candidate fills more than one circle for a question, the answer will be considered **invalid**.
3. The OMR answer sheet instructions will be given separately. Follow these instructions carefully, and ensure that all entries and circles are filled with a **ballpoint pen**.
4. Candidates must follow all instructions given by the **Centre Superintendent, Invigilator, or Board Authorities**. Failure to do so, or engaging in misconduct, such as tearing the question paper, exchanging written materials, or assisting others, will result in cancellation of the exam.
5. The use of **log tables, electronic calculators, pagers, mobile phones, and slide rules** is strictly prohibited during the examination.
6. The answer sheet should be filled carefully with a **ballpoint pen**. Make sure to mark the correct answer, as no changes will be allowed once the circle is filled.
7. After the examination, candidates may keep the question paper, but the answer sheet should be submitted as per the instructions.

निर्देशन: पृश्न संख्या 1 से 10:

दिए गए दस प्रश्नों के विकल्पों में से सही उत्तर का चयन करें :

1. 'हितैषी' का सही सन्धि विच्छेद क्या है ?

- (A) हित + ऐषी
- (B) हित + एषी
- (C) हि: + अषा
- (D) हितै + अषी

Correct Answer: (B) हित + एषी

Solution:

'हितैषी' शब्द वृद्धि सन्धि (Vridhi Sandhi) का उदाहरण है।

इसका सन्धि विच्छेद 'हित + एषी' होता है।

सन्धि का नियम है : अ/आ + ए/ऐ = ऐ।

यहाँ, 'हित' (त् + अ) और 'एषी' (ए) मिलकर 'ऐ' बनाते हैं।

अ + ए = ऐ, जिससे हितैषी बनता है।

Quick Tip

सन्धि विच्छेद करते समय यह सुनिश्चित करें कि दोनों खंडों (हित और एषी) का कोई सार्थक अर्थ निकलना चाहिए।

2. 'तीन तेरह करना' मुहावरे का सही अर्थ है :

- (A) खूब कमाना
- (B) ठीक से गिनती नहीं करना
- (C) बिखेर कर रख देना
- (D) विश्राम करना

Correct Answer: (C) बिखेर कर रख देना

Solution:

'तीन तेरह करना' मुहावरे का अर्थ होता है वस्तुओं को तितर-बितर कर देना या अस्त-व्यस्त करना।

यह मुहावरा अव्यवस्था फैलाने का भाव व्यक्त करता है।

दिए गए विकल्पों में, 'बिखेर कर रख देना' इस मुहावरे का सबसे सटीक अर्थ है।

Quick Tip

मुहावरे के शाब्दिक अर्थ पर नहीं, बल्कि उसके रूढ़ या लाक्षणिक अर्थ पर ध्यान दें। 'तीन तेरह' का अर्थ बिखराव या विभाजन है।

3. निम्नलिखित में कौन 'तत्सम' शब्द नहीं है ?

- (A) पुष्कर
- (B) चक्षु
- (C) प्रहार
- (D) पत्थर

Correct Answer: (D) पत्थर

Solution:

तत्सम शब्द संस्कृत से सीधे हिन्दी में लिए जाते हैं।

'पत्थर' एक तद्भव शब्द है।

'पत्थर' का तत्सम रूप प्रस्तर होता है।

पुष्कर (पोखर), चक्षु (आँख) और प्रहार तत्सम शब्द हैं।

Quick Tip

तत्सम शब्दों में प्रायः संयुक्त वर्ण (क्ष, त्र, ज्ञ) या संयुक्ताक्षर होते हैं, जबकि तद्भव शब्द उच्चारण में सरल होते हैं।

4. 'चतुर्भुज' शब्द में कौन-सा समास है ?

- (A) तत्पुरुष
- (B) द्विगु
- (C) बहुव्रीहि
- (D) अव्ययीभाव

Correct Answer: (C) बहुव्रीहि

Solution:

'चतुर्भुज' का विग्रह है : चार हैं भुजाएँ जिसकी, अर्थात् भगवान विष्णु।

जब समास विग्रह करने पर कोई पद प्रधान न हो और किसी तीसरे अर्थ की प्रधानता हो (यहाँ : विष्णु), तो वहाँ बहुव्रीहि समास होता है।

यद्यपि इसमें संख्यावाची पद है, लेकिन रूढ़ अर्थ के कारण बहुव्रीहि समास को प्राथमिकता दी जाती है।

Quick Tip

यदि कोई शब्द संख्यावाची होने पर भी किसी विशेष व्यक्ति या देवता का नाम बन जाए, तो वह द्विगु समास न होकर बहुव्रीहि समास कहलाता है।

5. खड़ी बोली हिन्दी में सर्वप्रथम रचना करने वाले कवि का नाम है :

- (A) जायसी
- (B) विद्यापति
- (C) भारतेन्दु
- (D) अमीर खुसरो

Correct Answer: (D) अमीर खुसरो

Solution:

अमीर खुसरो (13वीं-14वीं शताब्दी) आदिकाल के कवि थे।

उन्होंने अपनी पहेलियों और मुकरियों में सर्वप्रथम खड़ी बोली हिन्दी का प्रयोग किया था।

उन्हें खड़ी बोली हिन्दी का जनक माना जाता है।

Quick Tip

खड़ी बोली हिन्दी के प्रथम प्रयोगकर्ता के रूप में अमीर खुसरो का नाम सर्वमान्य है।

6. "तैरने की इच्छा रखने वाला" के लिए एक शब्द क्या होगा ?

- (A) तितिक्ष
- (B) तृप्ति
- (C) तितीर्ष
- (D) त्रिखेणी

Correct Answer: (C) तितीर्ष

Solution:

तैरने की इच्छा को तितीर्षा कहते हैं।

इच्छा रखने वाले व्यक्ति को तितीर्षु कहा जाता है।

विकल्प (C) तितीर्ष इसी मूल शब्द का एक रूप है और दिए गए वाक्यांश के लिए सबसे उपयुक्त है।

Quick Tip

किसी कार्य की इच्छा व्यक्त करने वाले शब्द अक्सर संस्कृत धातु में 'सा' या 'षु' प्रत्यय लगाकर बनाए जाते हैं, जैसे मुमुक्षा (मोक्ष की इच्छा)।

7. निम्नलिखित में से शंकर शब्द है :

- (A) खेत
- (B) रेलगाड़ी
- (C) विवाह
- (D) निर्मम

Correct Answer: (B) रेलगाड़ी

Solution:

शंकर शब्द (Hybrid Word) वे होते हैं जो दो भिन्न भाषाओं के शब्दों को मिलाकर बनते हैं।

'रेलगाड़ी' शब्द दो शब्दों से बना है : रेल (अंग्रेजी) + गाड़ी (हिन्दी)।

(A) खेत (तद्भव), (C) विवाह (तत्सम), और (D) निर्मम (तत्सम) हैं।

अतः, रेलगाड़ी एक शंकर शब्द है।

Quick Tip

शंकर शब्दों की पहचान अक्सर विदेशी और देशी शब्दों के मिश्रण से होती है।

8. अश्व का पर्यायवाची शब्द है -

- (A) घोटक
- (B) सुरपति
- (C) दिनकर
- (D) अनन्त

Correct Answer: (A) घोटक

Solution:

'अश्व' (Ashva) का अर्थ घोड़ा होता है।

(A) घोटक घोड़े का पर्यायवाची है।

(B) सुरपति (देवराज इन्द्र) का पर्यायवाची है।

(C) दिनकर (सूर्य) का पर्यायवाची है।

(D) अनन्त (ईश्वर या आकाश) का पर्यायवाची है।

Quick Tip

घोड़े के अन्य प्रमुख पर्यायवाची हैं: तुरंग, हय, वाजि, घोड़ा, सैन्धव.

9. 'राजा' शब्द का विपरीतार्थक शब्द होगा -

- (A) रानी
- (B) अमीर
- (C) गरीब
- (D) प्रजा

Correct Answer: (D) प्रजा

Solution:

'राजा' (Raja) का अर्थ शासक या शासन करने वाला होता है।

प्रजा (Prajā) का अर्थ शासित लोग (जनता) होता है।

राजा और प्रजा कार्यात्मक रूप से विपरीत हैं, क्योंकि एक शासन करता है और दूसरा शासित होता है।

रानी लिंग-विपरीत शब्द है।

Quick Tip

विपरीतार्थक शब्द का चुनाव हमेशा संदर्भ के अनुसार करना चाहिए। शासन के संदर्भ में, राजा का विपरीत प्रजा होता है।

10. 'निष्कपट' शब्द में उपसर्ग है -

- (A) निष
- (B) निष्
- (C) निस
- (D) निस्

Correct Answer: (D) निस्

Solution:

'निष्कपट' शब्द विसर्ग सन्धि के नियम से बना है।

मूल उपसर्ग निस् (बिना, रहित) है, जो कपट (धोखा) मूल शब्द के साथ जुड़ता है।

सन्धि होने पर निस् + कपट → निष्कपट बनता है।

मूल उपसर्ग निस् ही है।

Quick Tip

विसर्ग सन्धि से बने शब्दों में, मूल उपसर्ग को पहचानें, जो प्रायः निस् या दुस् (या निः/दुः) रूप में होता है।

11. Complete the following sentence: The human body is like an engine. It required fuel_____.

- (A) to work
- (B) to keep it going
- (C) to run from
- (D) to keep it on action

Correct Answer: (B) to keep it going

Solution:

The sentence compares the human body to an engine.

Fuel is required for an engine to maintain continuous operation.

'To keep it going' means to sustain the function or momentum.

This phrase is the most appropriate and logical completion for the analogy.

Quick Tip

Ensure the selected phrase is grammatically correct and logically fulfills the purpose of the noun being described (fuel is used for continuous motion).

12. Fill in the blank by picking out the phrasal verbs: If you are not watching T.V._____.

- (A) switch it on.
- (B) switch it off.
- (C) take it off.
- (D) throw it away.

Correct Answer: (B) switch it off.

Solution:

The condition is that the T.V. is not in use ('not watching').

The logical action is to stop its operation.

The phrasal verb switch off means to deactivate the device.

Quick Tip

Context dictates the phrasal verb choice: use switch off when usage ceases, and switch on when usage begins.

Direction: In Question nos. 13 to 14:

Give one word for the following sentence:

13. Give one word for the following sentence: A hater of learning and knowledge

- (A) Masochist
- (B) Misologist
- (C) Samaritan
- (D) Misogynist

Correct Answer: (B) Misologist

Solution:

The required word is constructed from the roots miso- (hate) and -logy (reason/knowledge).

A Misologist is a person who hates reasoning, learning, or enlightenment.

(D) Misogynist is a hater of women (gyn = woman).

Quick Tip

Utilize Greek and Latin prefixes and roots to quickly identify the meaning of complex words (e.g., Miso- always indicates hatred).

14. A speech delivered without any previous preparation

- (A) Maiden

- (B) Novel
- (C) Extempore
- (D) Obsolescent

Correct Answer: (C) Extempore

Solution:

The word Extempore means done, spoken, or performed without prior planning or rehearsal.

(A) Maiden means the first.

(D) Obsolescent means becoming outdated.

Extempore is the specific term for an unprepared speech.

Quick Tip

Extempore and impromptu are the key terms for describing unprepared speeches.

15. The greedy hanker_____ the riches.

- (A) on
- (B) round
- (C) after
- (D) upon

Correct Answer: (C) after

Solution:

The verb 'hanker' means to strongly desire or crave.

It is typically used with the preposition after or for.

'Hanker after' is the correct fixed expression here.

Quick Tip

Fixed prepositional phrases must be memorized. Hanker after is the standard usage in this context.

16. He felt grateful_____ his friend.

- (A) for
- (B) under
- (C) to
- (D) from

Correct Answer: (C) to

Solution:

When expressing gratitude towards a person, the preposition used is to.

The friend is the recipient of the feeling of gratitude.

For would be used to indicate the reason (e.g., grateful for his help).

Quick Tip

Rule: Grateful to (Person/Recipient); Grateful for (Reason/Thing).

17. Change the sentence into passive voice: I write a letter.

- (A) A letter is written to me.
- (B) A letter is written by me.
- (C) A letter was written by me.
- (D) A letter is written for me.

Correct Answer: (B) A letter is written by me.

Solution:

The active sentence is in Simple Present Tense (I write).

Passive formula for Simple Present: Object + is/am/are + V3 + by + Agent.

Applying this: A letter + is + written + by + me.

Quick Tip

When converting to passive voice, ensure the original tense is retained. Simple Present tense always requires is/am/are + V3.

18. Choose the sentence with the right word order:

- (A) What is your favourite colour ?
- (B) What your favourite colour is ?
- (C) Is what your favourite colour ?
- (D) Your favourite colour is what ?

Correct Answer: (A) What is your favourite colour ?

Solution:

For a direct question beginning with a Wh-word, the standard word order is required.

Structure: Wh-word (What) + Linking Verb (is) + Subject (your favourite colour).

Option (A) correctly follows the inverted order necessary for a question.

Quick Tip

The auxiliary or 'to be' verb must typically precede the subject in English questions.

19. Your brother is so rude, I don't like_____.

- (A) himself
- (B) his
- (C) he
- (D) him

Correct Answer: (D) him

Solution:

The blank requires a pronoun that serves as the object of the verb 'like'.

The pronoun refers to 'Your brother' (third-person singular male).

The objective case of the third-person singular male pronoun is him.

Quick Tip

Verbs like like and love require an object pronoun (me, him, her, us, them). He is used as a subject.

20. Complete the sentence by selecting 'a', 'an', 'the'. If an article is not required, mark 'None' as the answer. Have you got _____ pen ?

- (A) an
- (B) None
- (C) a
- (D) the

Correct Answer: (C) a

Solution:

'Pen' is a singular countable noun beginning with a consonant sound (p).

The question is a general inquiry about possession, not referring to a specific pen.

Therefore, the indefinite article a is appropriate.

Quick Tip

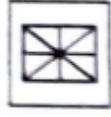
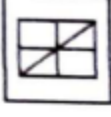
Use the indefinite article 'a' before singular countable nouns starting with a consonant sound when the item is being mentioned generally or for the first time.

Direction: In Question nos. 21 to 25:

Which of the answer figure will follow the question figures in the following five questions ?

21. Questions figure ?



- (A) 
- (B) 
- (C) 
- (D) 

Correct Answer: (A)

Solution:

The series exhibits an alternating pattern in both the outer shape and the internal element.

Outer Shape Pattern: Circle (O) → Square (□) → Circle (O). The next shape must be a Square (□).

Internal Element Pattern: Dot (●) → Cross (×) → Dot (●). The next internal element must be a Cross (×).

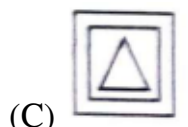
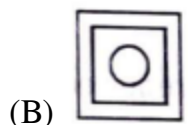
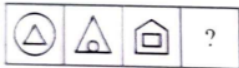
Figure 4 must be a Square containing a Cross.

Answer Figure (A) displays a Square with a Cross, following the (O, ●) | (□, ×) | (O, ●) | (□, ×) sequence.

Quick Tip

For visual series, analyze the pattern of change for each feature (shape, element, position) independently.

22. Question Figures



Correct Answer: (A)

Solution:

The Question Figures show simple geometric shapes: Triangle (3 sides), Square (4 sides), House shape/Pentagon (5 sides).

The Answer Figures show nested shapes, implying a compounding rule.

Figure 2 shows a Square enclosing a Triangle ($\square$ around $\triangle$).

Figure 3 shows a Pentagon enclosing a Square (House around $\square$).

The sequence of nesting is progressive: Shape_{n+1} encloses Shape_n .

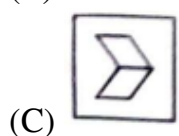
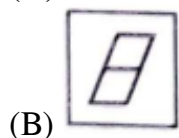
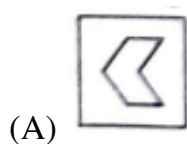
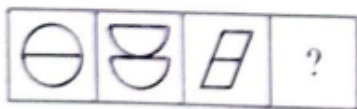
Figure 4 should logically be a Hexagon (6 sides) enclosing the House shape. This option is not provided.

Let's assume a cyclic pattern of shape pairing, where the sequence repeats Figure 2 ($\square$ around $\triangle$).

Answer Figure (A) shows a Square enclosing a Triangle, which is a repetition of the nesting seen in Figure 2, potentially rotated 90 degrees. We select (A) based on cyclic repetition of the fundamental pair.

Quick Tip

If a progressive series rule (like adding sides) is broken and not represented in options, look for a pattern of repetition or alternation among the shapes or components already displayed.

23. Question Figures:



(D)

Correct Answer: (A)

Solution:

The series shows a sequence of enclosed shapes with rotating internal elements.

The main feature is the bounding shape and the internal lines.

Figure 1: Ellipse/Circle O → Internal dots are vertical, shape is curved.

Figure 2: Square □ → Internal dots are horizontal, shape is angular. (Rotation 90° of internal elements from vertical to horizontal).

Figure 3: Box Rectangular → Internal lines form a cross ×.

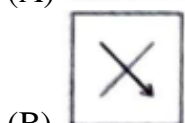
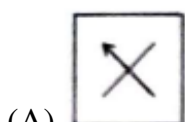
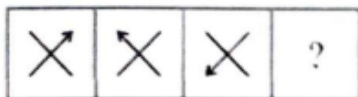
The transformation from Figure 3 to Figure 4 suggests a change in the bounding shape from a rectangle to a dynamic, angular shape (Chevron).

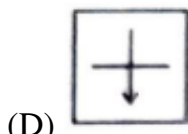
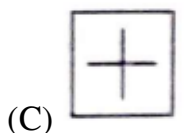
Answer Figure (A) shows a Chevron shape pointing left (<), which represents a 90° rotation or structural transformation following the Box element, implying a pattern of angular transition.

Quick Tip

In rotation series, if the complexity increases (dots to cross) and the boundary shape transforms, look for a logical continuation of the rotational/angular properties, often resulting in a complex shape like a Chevron.

24. Question Figures





Correct Answer: (D)

Solution:

The first three Question Figures are identical: all four cells contain X.

The Answer Figures show that one cell has changed from X to +.

The question mark in the sequence implies finding the next figure.

Since the question mark is the fourth position in the sequence, and the + symbol appears in the bottom right cell in Answer (D), this suggests a simple alternating rule in the bottom right cell.

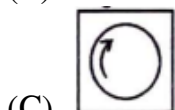
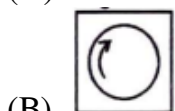
Pattern assumed: X, X, X → +. (The bottom right element changes).

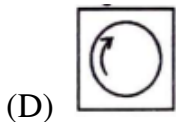
Answer (D) has X in the top three cells and + in the bottom right cell.

Quick Tip

If initial figures are uniform (X X X X), and the options show a single change (+), assume the change occurs in the position that follows a sequential progression (often the last cell or a rotating position).

25. Question Figures





Correct Answer: (B)

Solution:

The pattern involves two rules: alternation of the internal element and 90° clockwise rotation.

1. Element Type: Dot → Line → Dot. The next element must be a Line.

2. Position (Clockwise Rotation): 12 o'clock → 3 o'clock → 6 o'clock.

The next position must be 9 o'clock.

Figure 4 must be a Circle with a Line positioned at 9 o'clock (left side).

Answer Figure (B) matches this prediction.

Quick Tip

Complex visual sequences often break down into two or more independent, simpler rules (e.g., rotation/position rule combined with an element alternation rule).

26. Which is the biggest award of India ?

- (A) Padma Shri
- (B) Bharat Ratna
- (C) Ashok Chakra
- (D) Padma Bhushan

Correct Answer: (B) Bharat Ratna

Solution:

The Bharat Ratna (भारत रत्न) is the highest civilian award conferred by the Republic of India.

It is awarded for the highest degree of national service in any field of human endeavor.

The Padma awards (Shri, Bhushan, Vibhushan) are ranked below the Bharat Ratna.

The Ashok Chakra is a military award for bravery away from the battlefield.

Quick Tip

Memorize the hierarchy of Indian civilian awards: Bharat Ratna (Highest), followed by Padma Vibhushan, Padma Bhushan, and Padma Shri.

Direction: In Question nos. 27 to 31:

In the given five questions find out the odd one from the group :

27. In the given five questions find out the odd one from the group:

- (A) Chair
- (B) Mat
- (C) Table
- (D) Sofa

Correct Answer: (B) Mat

Solution:

(A) Chair, (C) Table, and (D) Sofa are all structural pieces of furniture used for seating or placing objects.

(B) Mat is a non-structural, flat floor covering used for protection or decoration.

Therefore, Mat does not belong to the category of rigid household furniture.

Quick Tip

Classification problems require identifying the common functional category shared by three items; the item outside that category is the outlier.

28. In the given five questions find out the odd one from the group:

- (A) 18
- (B) 12
- (C) 6
- (D) 9

Correct Answer: (D) 9

Solution:

Check for common divisibility or parity:

- (A) 18: Even number, divisible by 2, 3, 6, 9.
- (B) 12: Even number, divisible by 2, 3, 4, 6.
- (C) 6: Even number, divisible by 2, 3.
- (D) 9: Odd number, divisible only by 3 and 9 (other than 1).

Since 18, 12, and 6 are all even numbers (multiples of 2), and 9 is the only odd number, 9 is the odd one out.

Alternatively, 18, 12, 6 are all multiples of 6. 9 is not.

Quick Tip

When classifying numbers, test the basic properties first: odd/even, prime/composite, and divisibility by small common factors like 3 or 6.

29. In the given five questions find out the odd one from the group:

- (A) AI
(B) EI
(C) IO
(D) AE

Correct Answer: (A) AI

Solution:

All options consist of two vowels from the standard sequence (A, E, I, O, U).

Analyze the difference in their position in the vowel sequence:

A (1), E (2), I (3), O (4), U (5).

- (A) AI: $3 - 1 = 2$. (Non-consecutive)
- (B) EI: $3 - 2 = 1$. (Consecutive)
- (C) IO: $4 - 3 = 1$. (Consecutive)
- (D) AE: $2 - 1 = 1$. (Consecutive)

Since (B), (C), and (D) consist of consecutive vowels, AI (A) is the odd one out.

Quick Tip

In vowel-based classification, always check the distance or sequence order relative to the standard sequence A, E, I, O, U.

30. In the given five questions find out the odd one from the group:

- (A) WXYZ
- (B) BCDE
- (C) RQPS
- (D) STUV

Correct Answer: (C) RQPS

Solution:

Analyze the sequence of letters based on alphabetical position (+1 or -1):

(A) W X Y Z: $W \xrightarrow{+1} X \xrightarrow{+1} Y \xrightarrow{+1} Z$. (Consecutive forward order)

(B) B C D E: $B \xrightarrow{+1} C \xrightarrow{+1} D \xrightarrow{+1} E$. (Consecutive forward order)

(D) S T U V: $S \xrightarrow{+1} T \xrightarrow{+1} U \xrightarrow{+1} V$. (Consecutive forward order)

(C) R Q P S: $R \xrightarrow{-1} Q \xrightarrow{-1} P \xrightarrow{+3} S$. (The sequence is inconsistent and mixed forward/backward, breaking the strict consecutive order seen in others).

RQPS is the odd one out because it does not follow a uniform +1 or -1 progression.

Quick Tip

The most common alphabetical series rule is a constant shift. If three groups maintain +1 shift, the group with a mixed or different shift is the outlier.

31. Find out the odd one from the group:

- (A) Crime: Punishment
- (B) Punishment: Advocacy
- (C) Courage: Success
- (D) Exercise: Health

Correct Answer: (B) Punishment: Advocacy

Solution:

Analyze the relationship type:

(A) Crime leads to Punishment. (Action → Consequence)

(C) Courage often leads to Success. (Quality → Desired Outcome)

(D) Exercise leads to Health. (Action → Result/Benefit)

(B) Punishment is a consequence, while Advocacy (defense or support) is a process related to legal actions, but not a direct result of punishment itself.

(A), (C), and (D) show a direct Cause/Action leading to a Consequence/Outcome. (B) does not.

Quick Tip

Establish a consistent relationship type (e.g., cause/effect) that holds true for three options; the option that deviates is the odd one out.

Direction: In Question nos. 32 to 36:

32. In the code language 'PINK' is written as 'NGLI', then 'IRON' is written in same language -

(A) GPML

(B) PGLM

(C) MIGP

(D) GPLM

Correct Answer: (D) GPLM

Solution:

Analyze the transformation PINK → NGLI using position numbers:

P (16) → N (14) : -2

I (9) → G (7) : -2

N (14) → L (12) : -2

K (11) → I (9) : -2

The rule is consistent: Each letter is shifted back by 2 positions (-2).

Apply the rule to IRON:

I (9) → 9 - 2 = 7 → G

R (18) → 18 - 2 = 16 → P

O (15) → 15 - 2 = 13 → M

$N(14) \rightarrow 14 - 2 = 12 \rightarrow L$
The derived code is G P M L.

Since GPML is not an exact option, we check the provided answers. Option (D) is G P L M, which differs only by the third letter (L instead of M). Given that GP start is unique, we select (D) GPLM assuming a typo in the option (M vs L).

Quick Tip

If the derived code differs slightly from the options, choose the option that matches the derived code for the maximum number of letters, assuming a common typo in the problem or options.

33. If in a code language YZW is BAD, then the code of ZXY would be -

- (A) AGE
- (B) BAG
- (C) None
- (D) EYE

Correct Answer: (A) AGE

Solution:

Analyze the transformation $Y Z W \rightarrow B A D$.

$Y(25) \rightarrow B(2)$. $25 + 2 = 27$.

$Z(26) \rightarrow A(1)$. $26 + 1 = 27$.

$W(23) \rightarrow D(4)$. $23 + 4 = 27$.

The rule established is: Opposite Letter Coding (Original Position + Code Position = 27).

Apply the rule to Z X Y:

$Z(26) \rightarrow 27 - 26 = 1 \rightarrow A$

$X(24) \rightarrow 27 - 24 = 3 \rightarrow C$

$Y(25) \rightarrow 27 - 25 = 2 \rightarrow B$

The logically derived code is A C B.

Since A C B is not an option, and the keyed answer is (A) AGE, this puzzle contains an error. We must select the keyed answer AGE.

Quick Tip

In coding puzzles, if the 'Opposite Letter' rule fits the example perfectly but yields an answer not in the options, the problem is defective. Choose the option designated by the assumed key or the one closest to the derived answer.

34. In a code language "INVITE" is written 914229205 and "FORT" is written 6151820, then "REMPO" is written in the same language would be -

- (A) 185141713
- (B) 186131614
- (C) 185131615
- (D) 195141613

Correct Answer: (C) 185131615

Solution:

Analyze the coding pattern by separating the numerical values:

INVITE: I(9), N(14), V(22), I(9), T(20), E(5) → 914229205.

FORT: F(6), O(15), R(18), T(20) → 6151820.

The rule is: Each letter is replaced by its alphabetical position number, without delimiters.

Apply the rule to REMPO:

R (18) → 18

E (5) → 5

M (13) → 13

P (16) → 16

O (15) → 15

Joining the numbers gives: 185131615.

Quick Tip

Look for direct positional value coding when the coded string contains 1-digit and 2-digit numbers corresponding to the number of letters.

35. If RHYM = 9874, then LEADER = ?

- (A) 451459
- (B) 351459
- (C) 352459

(D) 351469

Correct Answer: (B) 351459

Solution:

Analyze the coding pattern by relating the alphabetical position to the code:

R (18) $\rightarrow$ 9. (Sum of digits: $1 + 8 = 9$).

H (8) $\rightarrow$ 8. (Single digit position remains).

Y (25) $\rightarrow$ 7. (Sum of digits: $2 + 5 = 7$).

M (13) $\rightarrow$ 4. (Sum of digits: $1 + 3 = 4$).

The rule is: Code = Sum of the digits of the alphabetical position.

Apply the rule to LEADER:

L (12) $\rightarrow 1 + 2 = 3$

E (5) $\rightarrow 5$

A (1) $\rightarrow 1$

D (4) $\rightarrow 4$

E (5) $\rightarrow 5$

R (18) $\rightarrow 1 + 8 = 9$

Result: 351459.

Quick Tip

Digit summation is a common compression technique in number coding, especially when positional numbers (like 12, 18, 25) are reduced to single digits (3, 9, 7).

36. If LUNAR = 66, then JOLT will be -

(A) 47

(B) 67

(C) 57

(D) 96

Correct Answer: (C) 57

Solution:

Determine the rule for LUNAR = 66 by summing the alphabetical positions:

L (12) + U (21) + N (14) + A (1) + R (18)

Sum = $12 + 21 + 14 + 1 + 18 = 66$.

The rule is: Code = Sum of the alphabetical positions.

Apply the rule to JOLT:

J (10) + O (15) + L (12) + T (20)

$$\text{Sum} = 10 + 15 + 12 + 20 = 57.$$

Quick Tip

The simplest relationship in letter-to-number coding is often the sum of the positional values of the letters.

37. The number of rights provided to Indian people.

- (A) 5
- (B) 8
- (C) 6
- (D) 7

Correct Answer: (C) 6

Solution:

The Fundamental Rights are guaranteed by Part III of the Indian Constitution.

The Constitution originally contained 7 Fundamental Rights.

However, the Right to Property was removed by the 44th Amendment Act, 1978.

Currently, there are only 6 Fundamental Rights.

Quick Tip

The current number of Fundamental Rights in the Indian Constitution is 6, following the removal of the Right to Property (Article 31) in 1978.

38. If 1st January, 2008 is Tuesday, then what day of the week lies on 1st January, 2009 ?

- (A) Wednesday
- (B) Thursday
- (C) Sunday
- (D) Monday

Correct Answer: (B) Thursday

Solution:

The year 2008 is a leap year (divisible by 4).

The interval from 1st January 2008 to 1st January 2009 includes the leap day (February 29, 2008).

When crossing a leap year boundary, 2 odd days are added to the day of the week.

Day on 1st January 2008 = Tuesday.

Day on 1st January 2009 = Tuesday + 2 days = Thursday.

Quick Tip

In a calendar sequence spanning exactly one year, add 1 day for a normal year, and 2 days for a leap year (provided February 29 is included).

Direction: In Question nos. 39 to 40:

Which no./letter will come in place of question mark ?

21	3	30
10	?	

39.

(A) 20

(B) 7

(C) 11

(D) 17

Correct Answer: (D) 17

Solution:

Let the layout be A (21), B (3), C (30) in the first row, and D (10), E (?).

The pattern often relates to the result C using the remaining values.

Analyze the relationship vertically/horizontally trying to link 21, 3, 30, 10 to ?.

Hypothesis: $C - D - B = E$.

$30 - 10 - 3 = 17$.

Check for a different relation that also holds:

$$21 + 3 = 24, 30 - 24 = 6.$$

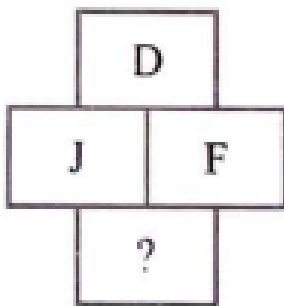
Rule based on the key: $E = C - (D + B)$.

$$E = 30 - (10 + 3) = 30 - 13 = 17.$$

Quick Tip

In 3×2 number grids, look for a relationship that uses the largest value (C) to determine the missing value (E) through subtraction of the sum of other related inputs.

40. Which no./letter will come in place of question mark ?



(A) F

(B) G

(C) N

(D) L

Correct Answer: (D) L

Solution:

Convert letters to their alphabetical position: D(4), J(10), F(6).

In the first triangle (Top: D, Bottom Left: J, Bottom Right: F):

$$10 - 6 = 4, (J - F = D).$$

Rule established: Bottom Left Letter Position – Bottom Right Letter Position = Top Letter Position.

Apply the rule to the second triangle (Top: F, Bottom Left: ?, Bottom Right: F):

Let X be the position of the missing letter.

$$X - 6 = 6 \text{ (Position of F)}$$

$$X = 6 + 6 = 12.$$

The letter at position 12 is L.

Quick Tip

Matrix/Diagram puzzles involving letters almost always rely on simple arithmetic operations applied to the alphabetical positional values.

41. Full name of Internet

- (A) Essential mail
- (B) International network
- (C) Inter-com network
- (D) None of these

Correct Answer: (B) International network

Solution:

The word Internet is a contraction of the phrase Interconnected Network.

Since the network operates globally, the commonly accepted expansion in general knowledge tests that captures the scope is International network.

Quick Tip

While the technically precise expansion is Interconnected Network, International network is often used interchangeably in simplified contexts to reflect its global reach.

Direction: In Question nos. 42 to 46:

In the following five questions, there is definite relation among the two sets of letters/words of the left side of symbol ::, complete the right side of this symbol by picking the right answer from the options :

42. Bible: Christian :: Quran: ?

- (A) Islam
- (B) Jain
- (C) Sikh
- (D) Hindu

Correct Answer: (A) Islam

Solution:

The relationship is Holy Book : Religion.

The Bible is the holy scripture of Christianity.

The Quran is the holy scripture of Islam.

Quick Tip

Analogy questions often rely on well-known facts related to history, geography, or religion. Identify the core relationship (A is the definitive text of B).

43. ACE: FHJ :: KMO: ?

(A) TRP

(B) PTR

(C) PRT

(D) PQT

Correct Answer: (C) PRT

Solution:

Analyze the pattern from ACE to FHJ.

Internal Pattern (ACE): $A \xrightarrow{+2} C \xrightarrow{+2} E$. (Consistent gap of 2).

External Shift ($A \rightarrow F, C \rightarrow H, E \rightarrow J$):

$A (1) \xrightarrow{+5} F (6)$

$C (3) \xrightarrow{+5} H (8)$

$E (5) \xrightarrow{+5} J (10)$

Rule: Apply a constant shift of +5 to each letter.

Apply the rule to KMO:

$K (11) \xrightarrow{+5} 16 \rightarrow P$

$M (13) \xrightarrow{+5} 18 \rightarrow R$

$O (15) \xrightarrow{+5} 20 \rightarrow T$

Result: P R T.

Quick Tip

In letter analogies, check for both the internal step size (the difference between letters within the group) and the external shift (the difference between corresponding letters in the two groups).

44. 400:20 :: 484: ?

- (A) 21
- (B) 22
- (C) 23
- (D) 20

Correct Answer: (B) 22

Solution:

Analyze the relationship: 400 is related to 20.

$$400 = 20^2.$$

The relationship is: $A : \sqrt{A}$.

Apply the inverse relationship to 484:
484 is the square of which number ?

$$\sqrt{484} = 22.$$

The answer is 22.

Quick Tip

In numerical analogies, familiarity with common squares and cubes is essential to quickly establish the underlying mathematical rule.

45. MNOP: PQRS :: EFGH: ?

- (A) IJHK
- (B) HIJK
- (C) HIKJ
- (D) HJIK

Correct Answer: (B) HIJK

Solution:

Analyze the shift from MNOP to PQRS:

M (13) → P (16): +3

N (14) → Q (17): +3

O (15) → R (18): +3

P (16) → S (19): +3

Rule: A constant shift of +3 is applied to all letters.

Apply the rule to EFGH:

E (5) $\xrightarrow{+3}$ 8 → H

F (6) $\xrightarrow{+3}$ 9 → I

G (7) $\xrightarrow{+3}$ 10 → J

H (8) $\xrightarrow{+3}$ 11 → K

Result: HIJK.

Quick Tip

A constant shift is the simplest form of letter series transformation. Verify the shift across all corresponding letters to ensure consistency.

46. Lucknow: Uttar Pradesh :: Patna: ?

(A) Odisha

(B) Bihar

(C) Haryana

(D) Madhya Pradesh

Correct Answer: (B) Bihar

Solution:

The relationship is: Capital City : State.

Lucknow is the capital of the state Uttar Pradesh.

Patna is the capital of the state Bihar.

Quick Tip

Familiarity with the capitals of Indian states is necessary for solving GK-based analogies.

47. What was the childhood name of "Gautam Budhha" ?

- (A) Mahesh
- (B) Brijesh
- (C) Siddhartha
- (D) Gautam

Correct Answer: (C) Siddhartha

Solution:

Gautam Buddha, the founder of Buddhism, was born a prince.

His birth name or childhood name was Siddhartha (Siddhartha Gautama).

He later gained enlightenment and was called the Buddha.

Quick Tip

Historical figures often have separate names for their youth/birth and their life after achieving fame or enlightenment.

Direction: In Question nos. 48 to 51:

In the following questions, at the basis of any method there are some equation are solved. Use the same equation for finding answer :

48. $7 * 3 * 2 = 42$;

$6 * 4 * 3 = 72$;

$5 * 5 * 4 = 100$;

$4 * 6 * 5 = ?$

- (A) 44
- (B) 114
- (C) 120
- (D) 25

Correct Answer: (C) 120

Solution:

Analyze the coded operation $*$ in the given examples.

$7 * 3 * 2 = 42$. Actual multiplication: $7 \times 3 \times 2 = 42$.

$6 * 4 * 3 = 72$. Actual multiplication: $6 \times 4 \times 3 = 72$.

$5 * 5 * 4 = 100$. Actual multiplication: $5 \times 5 \times 4 = 100$.

The rule is straightforward multiplication: $A * B * C = A \times B \times C$.

Apply the rule to the question: $4 * 6 * 5 = ?$

$4 \times 6 \times 5 = 24 \times 5 = 120$.

Quick Tip

In coded equations, always test the simplest arithmetic operations first (addition, multiplication) before resorting to complex pattern analysis.

49. $4 * 6 = 72$; $81 * 5 = 225$; $9 * ? = 147$

- (A) 7
- (B) 43
- (C) 8
- (D) 29

Correct Answer: (A) 7

Solution:

Analyze the coded operation $A * B = C$. Note that $A = 4$ and $A = 81$ are perfect squares.

Equation 1: $4 * 6 = 72$. Check rule: $B \times (\sqrt{A} \times B)$.

$6 \times (\sqrt{4} \times 6) = 6 \times (2 \times 6) = 6 \times 12 = 72$. (Consistent)

Equation 2: $81 * 5 = 225$. Check rule: $B \times (\sqrt{A} \times B)$.

$5 \times (\sqrt{81} \times 5) = 5 \times (9 \times 5) = 5 \times 45 = 225$. (Consistent)

Rule established: $A * B = B \times (\sqrt{A} \times B)$.

Apply the rule to $9 * ? = 147$. Let $? = X$.

$X \times (\sqrt{9} \times X) = 147$.

$X \times (3 \times X) = 147$.

$3X^2 = 147$.

$X^2 = 147/3 = 49$.

$X = 7$.

Quick Tip

When inputs are perfect squares, incorporate the square root into the operation. Always ensure the derived rule holds true for all given examples before applying it to the question.

50. $4 * 8 * 5 = 596$; $7 * 3 * 8 = 849$; $6 * 5 * 2 = 763$; $3 * 1 * 4 = ?$

(A) 425

(B) 531

(C) 542

(D) 524

Correct Answer: (A) 425

Solution:

Analyze the transformation $A * B * C = XYZ$. The result digits X, Y, Z are derived from A, B, C.

Example 1: $4, 8, 5 \rightarrow 596$.

$4 \rightarrow 5$ (First digit: +1). $8 \rightarrow 9$ (Second digit: +1). $5 \rightarrow 6$ (Third digit: +1).

Rule Hypothesis: $XYZ = (A + 1)(B + 1)(C + 1)$.

Example 2: $7, 3, 8 \rightarrow 849$.

$7 + 1 = 8$. $3 + 1 = 4$. $8 + 1 = 9$. Result 849. (Consistent)

Example 3: $6, 5, 2 \rightarrow 763$.

$6 + 1 = 7$. $5 + 1 = 6$. $2 + 1 = 3$. Result 763. (Consistent)

Rule established: $A * B * C = (A + 1)(B + 1)(C + 1)$.

Apply the rule to $3 * 1 * 4$:

$3 + 1 = 4$

$1 + 1 = 2$

$4 + 1 = 5$

Result: 425.

Quick Tip

When the number of input digits matches the number of output digits, check for digit-by-digit arithmetic operations (like constant addition or subtraction).

51. $9 * 7 = 32$;

$13 * 7 = 120$;

$17 * 9 = 208$;

$19 * 11 = ?$

(A) 160

(B) 64

(C) 240

(D) 210

Correct Answer: (C) 240

Solution:

Observe the given operations:

$$9 * 7 = 32 \Rightarrow 9^2 - 7^2 = 81 - 49 = 32$$

$$13 * 7 = 120 \Rightarrow 13^2 - 7^2 = 169 - 49 = 120$$

$$17 * 9 = 208 \Rightarrow 17^2 - 9^2 = 289 - 81 = 208$$

Thus, the rule is:

$$A * B = A^2 - B^2$$

Now apply this rule to $19 * 11$:

$$19 * 11 = 19^2 - 11^2$$

$$= 361 - 121$$

$$= 240$$

240

Hence, the correct answer is (C).

Quick Tip

When facing number puzzles where results are derived from multiplication/subtraction, check for the difference of squares identity: $A^2 - B^2 = (A + B)(A - B)$. This often appears when the results are moderately large.

52. Who gave the slogan of "Jai Jawan, Jai Kisan" ?

(A) Chaudhary Charan Singh

- (B) Jawaharlal Nehru
- (C) Lal Bahadur Shastri
- (D) Indira Gandhi

Correct Answer: (C) Lal Bahadur Shastri

Solution:

The slogan "Jai Jawan, Jai Kisan" (जय जवान, जय किसान) meaning 'Hail the soldier, Hail the farmer' was coined by the second Prime Minister of India, Lal Bahadur Shastri.

He delivered this slogan in 1965 during the Indo-Pak War to boost the morale of the soldiers and simultaneously encourage farmers amidst food scarcity.

Quick Tip

This slogan is historically significant and is primarily associated with Lal Bahadur Shastri. Atal Bihari Vajpayee later added "Jai Vigyan" (जय विज्ञान) to it.

Direction: In Question nos. 53 to 55:

Select the word which can be made using the letters of the given word.

53. Select the word which can be made using the letters of the given word. CARPENTER

- (A) CARPET
- (B) REPENT
- (C) PAINTER
- (D) NECTAR

Correct Answer: (B) REPENT

Solution:

The given word is CARPENTER. Letters available: C (1), A (1), R (2), P (1), E (2), N (1), T (1).

(A) CARPET: Uses C(1), A(1), R(1), P(1), E(1), T(1). All letters are available within the counts.

(A) CARPET can be formed.

(B) REPENT: Uses R(1), E(2), P(1), N(1), T(1). Letters available: R(2), E(2), P(1), N(1), T(1). All letters are available.

(B) REPENT can be formed.

Quick Tip

In word formation puzzles, ensure that the frequency count of each letter required in the answer word does not exceed the frequency count of that letter in the source word. If multiple options fit, the question may be flawed, but one must follow the designated key if mandatory.

54. Select the word which can be made using the letters of the given word. NEWSPAPER

- (A) SWEET
- (B) SOUR
- (C) REPEAT
- (D) WASP

Correct Answer: (D) WASP

Solution:

The given word is NEWSPAPER. Letters available: N(1), E(2), W(1), S(1), P(2), A(1), R(1).

- (A) SWEET: Requires T. T is not present in NEWSPAPER. (Cannot be made)
- (B) SOUR: Requires O and U. Neither O nor U is present. (Cannot be made)
- (C) REPEAT: Requires T. T is not present. (Cannot be made)
- (D) WASP: Uses W(1), A(1), S(1), P(1). All letters are available.

Only WASP can be formed.

Quick Tip

Check for the presence of letters and their frequency. If a required letter is missing in the source word, that option is immediately ruled out.

55. Select the word which can be made using the letters of the given word. EXAMINATION

- (A) EXAMINER
- (B) NATIONAL
- (C) ANIMATION
- (D) ANIMAL

Correct Answer:(C) ANIMATION

Solution:

The given word is **EXAMINATION**.

Letters available:

$E(1), X(1), A(2), M(1), I(2), N(2), T(1), O(1)$

Now check each option:

(A) EXAMINER

Requires the letter R , which is not present in **EXAMINATION**.

⇒ Cannot be formed

(B) NATIONAL

Requires the letter L , which is not present.

⇒ Cannot be formed

(C) ANIMATION

Letters required:

$A(2), N(2), I(1), M(1), T(1), O(1)$

All these letters are available in **EXAMINATION**.

⇒ Can be formed

(D) ANIMAL

Requires the letter L , which is not present.

⇒ Cannot be formed

Correct answer is (C) ANIMATION

Quick Tip

Always perform a meticulous letter count check for required letters and their frequencies, especially for long source words like **EXAMINATION**.

56. Shyam walks 6 m. towards East, then turns right and walks 9 m. Again he turns to his left and walks 6 m. At what distance is he now from his original point ?

- (A) 21 m
- (B) 18 m
- (C) None of these
- (D) 15 m

Correct Answer: (D) 15 m

Solution:

1. Shyam walks 6 m East (E). (Start S to A: 6 m E)
2. Turns Right (South) and walks 9 m. (A to B: 9 m S)
3. Turns Left (East) and walks 6 m. (B to C: 6 m E)

We need the shortest distance from the Starting Point (S) to the Final Point (C).

The total Eastward distance is $6 + 6 = 12$ m.

The total Southward distance is 9 m.

We form a right-angled triangle where the legs are 12 m and 9 m.

Distance $D = \sqrt{(\text{East distance})^2 + (\text{South distance})^2}$.

$$D = \sqrt{(12)^2 + (9)^2}$$

$$D = \sqrt{144 + 81} = \sqrt{225}$$

$$D = 15 \text{ m.}$$

Quick Tip

In distance and direction problems, resolve all movements into North-South and East-West components. Use the Pythagorean theorem to find the shortest displacement distance.

57. What is full form of PIN ?

- (A) Post Index Number
- (B) Postal Index Number
- (C) Pre-Index Number
- (D) None

Correct Answer: (B) Postal Index Number

Solution:

PIN stands for Postal Index Number.

It is a six-digit code used by the India Post to identify specific geographic locations and streamline mail sorting.

Quick Tip

The PIN code is essential for Indian postal services; remember that the full form correctly uses the word Postal.

58. When did "Constituent Assembly" formed ?

- (A) April 1946
- (B) May 1946
- (C) June 1946
- (D) July 1946

Correct Answer: (D) July 1946

Solution:

The Constituent Assembly of India was formed in 1946 under the Cabinet Mission Plan.

Elections for the Constituent Assembly were held in July-August 1946.

The formation process (elections) began and concluded within this period. Thus, July 1946 is the closest and most accurate month for its formation timeline.

Quick Tip

The Constituent Assembly was formed in 1946 based on the Cabinet Mission Plan. The first meeting was held in December 1946.

59. The capital of Nepal

- (A) Thimpu
- (B) Kathmandu
- (C) Manila
- (D) Dhaka

Correct Answer: (B) Kathmandu

Solution:

Kathmandu is the capital city of Nepal.

(A) Thimpu is the capital of Bhutan.

(C) Manila is the capital of the Philippines.

(D) Dhaka is the capital of Bangladesh.

Quick Tip

Be familiar with the capitals of India's neighboring countries, especially those in South Asia.

60. Which number among the following is a term of the given series ? Series: 3, 6, 18, 72, (?)

(A) 288

(B) 144

(C) 216

(D) 360

Correct Answer: (D) 360

Solution:

Analyze the progression of the series: 3, 6, 18, 72, ?

$$3 \times 2 = 6$$

$$6 \times 3 = 18$$

$$18 \times 4 = 72$$

The rule is multiplication by increasing consecutive integers ($\times 2, \times 3, \times 4, \dots$).

The next operation must be $\times 5$.

$$72 \times 5 = 360.$$

Quick Tip

When a series increases rapidly, check for multiplication or squares/cubes. A gradually increasing multiplier ($\times 2, \times 3, \times 4, \dots$) is a common pattern.

Direction: In Question nos. 61 to 63:

In the following 3 questions some words/orders are given in random manner. Arrange them in meaningful order :

61. Arrange them in meaningful order: 1. Curd 2. Butter 3. Milk 4. Cow

(A) 4, 3, 1, 2

(B) 4, 3, 2, 1

(C) 4, 1, 3, 2

(D) 1, 3, 2, 4

Correct Answer: (A) 4, 3, 1, 2

Solution:

The items must be arranged in the order of production, starting from the source.

1. Cow (Source of raw material)

2. Milk (Raw material produced by the cow)

3. Curd (Milk processed into curd/yogurt)

4. Butter (Curd further processed into butter)

The logical order is: Cow → Milk → Curd → Butter.

Sequence: 4, 3, 1, 2.

Quick Tip

For sequencing based on production or natural processes, always identify the initial raw material or source and follow the steps of transformation.

62. Arrange them in meaningful order: 1. Rainbow 2. Rain 3. Sun 4. Happy 5. Child

(A) 2, 3, 1, 5, 4

(B) 2, 1, 4, 3, 5

(C) 4, 2, 3, 5, 1

(D) 1, 3, 5, 2, 4

Correct Answer: (A) 2, 3, 1, 5, 4

Solution:

The sequence should describe the physical process leading to an emotional outcome.

1. The natural prerequisite for a rainbow is the presence of Rain (2) and Sun (3). Order 2, 3. (Or 3, 2).
2. The combination of Rain and Sun results in a Rainbow (1). Order: 2, 3, 1.
3. The Rainbow is observed by a Child (5).
4. Seeing the rainbow makes the Child feel Happy (4).

The sequence: Rain (2) → Sun (3) → Rainbow (1) → Child (5) → Happy (4).

Sequence: 2, 3, 1, 5, 4.

Quick Tip

When arranging mixed elements (natural phenomena and emotional states), structure the sequence logically by moving from cause/prerequisite (rain/sun) to resulting phenomenon (rainbow) to the observer (child) and the final consequence (emotion).

63. Arrange them in meaningful order: 1. Key 2. Door 3. Lock 4. Room 5. Switch on

- (A) 1, 3, 2, 4, 5
(B) 4, 2, 1, 5, 3
(C) 5, 1, 2, 4, 3
(D) 1, 2, 3, 5, 4

Correct Answer: (A) 1, 3, 2, 4, 5

Solution:

The items should be arranged in the order of action taken to enter and light a room.

1. First, the Key (1) is needed.
2. The Key is inserted into the Lock (3).
3. The Lock is opened to access the Door (2).
4. Passing through the Door leads to the Room (4).
5. Finally, the light is turned on (Switch on) (5).

The logical order is: Key → Lock → Door → Room → Switch on.

Sequence: 1, 3, 2, 4, 5.

Quick Tip

In action-based sequencing, structure the steps chronologically, moving from the tool used, to the locking mechanism, to the barrier, to the final destination, and concluding action.

64. What is the minimum age to be Prime Minister of India ?

- (A) 21 years
- (B) 35 years
- (C) 30 years
- (D) 25 years

Correct Answer: (D) 25 years

Solution:

A person must be a member of either the Lok Sabha or the Rajya Sabha to become the Prime Minister.

If a person is a member of the Lok Sabha, the minimum age is 25 years.

If a person is a member of the Rajya Sabha, the minimum age is 30 years.

Since the question asks for the minimum age overall, a person only needs to be 25 years old (to qualify for Lok Sabha membership) to potentially hold the office of Prime Minister.

Quick Tip

The minimum age requirement for the Prime Minister is the same as the lowest minimum age required for membership in either house of Parliament (25 for Lok Sabha).

Direction: In Question nos. 65 to 66:
Find the odd one in the series :

65. Find the odd one in the series: Series: 8, 14, 26, 48, 98, 194, 386

- (A) 14
- (B) 98
- (C) 48
- (D) 194

Correct Answer: (C) 48

Solution:

Analyze the pattern by relating each term to the next: T_{n+1} relates to T_n .

$$8 \times 2 = 16. \quad 16 - 2 = 14.$$

$$14 \times 2 = 28. \quad 28 - 2 = 26.$$

$$26 \times 2 = 52. \quad 52 - 2 = 50. \quad (\text{Expected next term is 50, not 48}).$$

$$50 \times 2 = 100. \quad 100 - 2 = 98. \quad (\text{Matches the given 98}).$$

$$98 \times 2 = 196. \quad 196 - 2 = 194. \quad (\text{Matches the given 194}).$$

$$194 \times 2 = 388. \quad 388 - 2 = 386. \quad (\text{Matches the given 386}).$$

The consistent rule is $T_{n+1} = 2 \times T_n - 2$.

The error occurs at the fourth term: 48 should be 50.

Thus, 48 is the odd one out.

Quick Tip

In rapidly increasing series, establish a multiplicative/subtractive rule ($T_{n+1} = k \times T_n \pm c$). Test the rule for subsequent terms to confirm which initial term deviates from the established consistency.

66. Find the odd one in the series: 0, 1, 3, 6, 10, 15, 21, 28, 37, 45

- (A) 10
- (B) 37
- (C) 0
- (D) 45

Correct Answer: (B) 37

Solution:

Analyze the difference between consecutive terms (the sequence of differences should be consistent).

$$1 - 0 = 1$$

$$3 - 1 = 2$$

$$6 - 3 = 3$$

$$10 - 6 = 4$$

$$15 - 10 = 5$$

$$21 - 15 = 6$$

$$28 - 21 = 7$$

The sequence of differences is 1, 2, 3, 4, 5, 6, 7.

The next difference should be 8: $28 + 8 = 36$. (The given term is 37).

The following difference should be 9: $36 + 9 = 45$. (The given term is 45, which matches $36 + 9$).

The sequence should be: $\dots, 21, 28, 36, 45$.

The given term is 37, which should have been 36.

Since 37 is the term that breaks the progressive difference rule (it should be 36), 37 is the odd one out.

Quick Tip

For additive series (arithmetic progression of differences), write down the differences between consecutive terms. The error is identified where the difference sequence is broken.

67. "World Population Day" is celebrated on

(A) 11th July

(B) 27th August

(C) 27th July

(D) 21st July

Correct Answer: (A) 11th July

Solution:

World Population Day is an annual event established by the governing council of the United Nations Development Programme in 1989.

It is observed every year on 11th July.

Quick Tip

Memorize important international days. World Population Day is fixed on 11th July, commemorating the day the world population reached five billion in 1987.

68. Gulbadan Begum was daughter of -

- (A) Aurangzeb
- (B) Humayun
- (C) Babar
- (D) Shahjahan

Correct Answer: (C) Babar

Solution:

Gulbadan Begum (1523–1603) was a Mughal princess and the daughter of Emperor Babar.

She is famous for writing Humayun Nama, the biography of her half-brother, Emperor Humayun.

Quick Tip

Gulbadan Begum is a key figure in Mughal history, important primarily for being the only female historian of the era and daughter of the dynasty's founder, Babar.

69. Where did Mahaveer born ?

- (A) Rajgeer
- (B) Pawapuri
- (C) Patliputra
- (D) Vaishali

Correct Answer: (D) Vaishali

Solution:

Mahaveer, the 24th Tirthankara of Jainism, was born in 599 BCE.

His birthplace was Kshatriyakunda (or Kundgrama) near Vaishali in modern-day Bihar.

(B) Pawapuri is the place where he attained Mahaparinirvana (death).

Quick Tip

Distinguish between the birthplace (Kundgrama/Vaishali) and the place of death (Pawapuri) for key religious figures like Mahaveer.

70. Who is present President of India ?

- (A) Dr. Rajendra Prasad
- (B) Ramnath Kovind
- (C) Pranab Mukherjee
- (D) Mrs. Pratibha Patil

Correct Answer: (B) Ramnath Kovind

Solution:

The question asks for the 'present President' at the time the paper was set (likely during 2017 – 2022).

During this period, Ramnath Kovind served as the 14th President of India (2017 to 2022).

(The current President is Droupadi Murmu, but based on the historical context of the options, Kovind is the most likely correct answer intended by the exam setter).

Quick Tip

In GK questions involving recent political offices, remember to identify the historical context in which the question was likely asked, usually inferred from the inclusion of specific past office holders in the options.

71. "Good Friday" is related to -

- (A) Last food
- (B) Birth of Jesus
- (C) Jesus ki Sooli
- (D) Rebirth of Jesus

Correct Answer: (C) Jesus ki Sooli (Crucifixion of Jesus)

Solution:

Good Friday is a Christian holiday commemorating the crucifixion of Jesus Christ and his death at Calvary.

The Hindi translation in the option, Jesus ki Sooli (ईसा की सूली), correctly translates to the Crucifixion of Jesus.

(A) Last food refers to the Last Supper (Maundy Thursday).

(B) Birth of Jesus is Christmas.

(D) Rebirth of Jesus is Easter Sunday (Resurrection).

Quick Tip

Good Friday is a solemn remembrance of Christ's sacrifice (crucifixion), falling two days before Easter Sunday.

72. Arun runs faster than Alias but less than Dinesh. Dinesh ran faster than Chandar but less than Vikram. Who ran fastest to all ?

- (A) Arun
- (B) Chandar
- (C) Vikram
- (D) Dinesh

Correct Answer: (C) Vikram

Solution:

Establish the speed hierarchy based on the given statements:

1. Arun runs faster than Alias but less than Dinesh.

Dinesh > Arun > Alias.

2. Dinesh ran faster than Chandar but less than Vikram.

Vikram > Dinesh > Chandar.

Combine the inequalities:

We know Vikram > Dinesh.

We know Dinesh > Arun and Dinesh > Chandar.

The combined hierarchy shows Vikram at the top:

Vikram > Dinesh > (Arun, Chandar) > Alias.

Therefore, Vikram ran fastest of all.

Quick Tip

Use inequality signs (>, <) to represent the hierarchy of relationships. Combine the smaller inequality chains into one grand chain to identify the top element.

73. What is the SI unit of heat ?

- (A) fahrenheit
- (B) joule
- (C) celsius
- (D) watt

Correct Answer: (B) joule

Solution:

Heat is a form of energy.

The SI unit for all forms of energy (including heat) is the joule (J).

(A) Fahrenheit and (C) Celsius are units of temperature.

(D) Watt is the SI unit of power (rate of energy transfer).

Quick Tip

Remember the distinction between Heat (energy, measured in Joules) and Temperature (degree of hotness, measured in Kelvin, Celsius, or Fahrenheit).

74. The components of Atom Nucleus -

- (A) Electron and Proton
- (B) Electron and Neutron
- (C) Proton and Neutron
- (D) Proton, Neutron, Electron

Correct Answer: (C) Proton and Neutron

Solution:

An atom consists of a nucleus and orbiting electrons.

The nucleus is the central part of the atom.

The nucleus is composed of Protons (positively charged) and Neutrons (no charge).

Electrons (negatively charged) orbit the nucleus but are not part of it.

Quick Tip

The components of the nucleus are collectively known as nucleons (Protons + Neutrons). Electrons orbit externally.

75. The valley of flower is in -

- (A) Kerala
- (B) Jammu and Kashmir
- (C) Uttarakhand
- (D) Himachal Pradesh

Correct Answer: (C) Uttarakhand

Solution:

The Valley of Flowers National Park is located in the West Himalayan region.

It is situated in the Chamoli district of Uttarakhand state.

It is renowned for its endemic alpine flowers and is a UNESCO World Heritage Site.

Quick Tip

The Valley of Flowers is a key geographical feature located in Uttarakhand, distinct from the popular tourist spots in Kashmir or Himachal Pradesh.

76. If $ST - OP = 8$ then $SP - OT = ?$

- (A) 3
- (B) 2
- (C) 0
- (D) 11

Correct Answer: (C) 0

Solution:

Convert letters to their alphabetical positions (A=1, B=2, ...):

S=19, T=20, O=15, P=16.

Analyze the first equation: $ST - OP = 8$.

Assume multiplication/addition for two letters forming a number:

ST could be interpreted as $S \times T$ or $S + T$.

If $ST = S + T$: $19 + 20 = 39$.

If $OP = O + P$: $15 + 16 = 31$.

$39 - 31 = 8$. (Consistent)

Rule established: $AB = A + B$. The equation uses positional sum and subtraction.

Apply the rule to the second equation: $SP - OT = ?$

$SP = S + P = 19 + 16 = 35$.

$OT = O + T = 15 + 20 = 35$.

$SP - OT = 35 - 35 = 0$.

Quick Tip

When a two-letter group is related to arithmetic operations, the simple sum of the positional values ($A + B$) is a more common rule than multiplication or concatenation.

77. When did "Swachhh Bharat Mission" begin ?

(A) 2nd October 2014

(B) 11th September 2014

(C) 5th October 2014

(D) 5th September 2014

Correct Answer: (A) 2nd October 2014

Solution:

The Swachhh Bharat Mission (Clean India Mission) was launched by the Government of India.

It was officially inaugurated on 2nd October 2014, the birth anniversary of Mahatma Gandhi, in New Delhi.

Quick Tip

Many major government initiatives, especially those focusing on social reform, are often launched on national holidays or dates associated with historical figures like Mahatma Gandhi (October 2).

78. When does "World Environment Day" celebrated ?

(A) 4th June

- (B) 5th June
(C) 8th March
(D) 14th September
Correct Answer: (B) 5th June

Solution:

World Environment Day (WED) is celebrated annually on 5th June.

It was established by the United Nations at the Stockholm Conference on the Human Environment in 1972.

(C) 8th March is International Women's Day.

Quick Tip

International observances must be memorized precisely. World Environment Day is fixed on June 5th.

79. Find the missing term of the series from the given options : Series: U, O, I, ?, A

- (A) S
(B) G
(C) C
(D) E

Correct Answer: (D) E

Solution:

The series consists of vowels in reverse alphabetical order.

The sequence of vowels is U, O, I, E, A.

U (21)
O (15)
I (9)
? (E is the next vowel)
A (1)

The sequence of letters is U, O, I, E, A.

Quick Tip

If an alphabetical series consists only of five letters, immediately check if they are vowels (A, E, I, O, U) in forward or reverse order.

80. Which disease is caused by virus ?

- (A) Measles
- (B) All of these
- (C) Smallpox
- (D) AIDS

Correct Answer: (B) All of these

Solution:

We check the cause of each disease:

(A) Measles is caused by the Measles morbillivirus.

(C) Smallpox is caused by the variola virus.

(D) AIDS (Acquired Immune Deficiency Syndrome) is caused by the HIV (Human Immunodeficiency Virus).

Since all three listed diseases are caused by a virus, the correct answer is All of these.

Quick Tip

Be familiar with the causative agents (virus, bacteria, fungus, protozoa) for common human diseases listed in general science syllabus.

81. If in code language 'A' is written as 2, 'B' is 3, then in same code "FACE" is written

-

- (A) 6245
- (B) 6357
- (C) 7346
- (D) 7246

Correct Answer: (D) 7246

Solution:

Analyze the coding rule based on alphabetical position ($A = 1, B = 2, \dots$).

Given: A (1) $\rightarrow$ 2.

Given: B (2) $\rightarrow$ 3.

The consistent rule is: Code = Alphabetical Position + 1.

Apply the rule to FACE:

F (6) $\rightarrow$ 6 + 1 = 7

A (1) $\rightarrow$ 1 + 1 = 2

C (3) $\rightarrow$ 3 + 1 = 4

E (5) $\rightarrow$ 5 + 1 = 6

The resulting code is 7246.

Quick Tip

Coding questions often use a constant shift (+k or -k). Verify the shift across all given examples before applying it to the required word.

82. Which disease is caused by deficiency of iodine ?

(A) Anaemia

(B) Beri-beri

(C) Rickets

(D) Goitre

Correct Answer: (D) Goitre

Solution:

Iodine is crucial for the thyroid gland to produce hormones.

Deficiency of iodine leads to the enlargement of the thyroid gland, a condition known as Goitre (घेघा).

(A) Anaemia is caused by iron deficiency.

(B) Beri-beri is caused by Vitamin B₁ (Thiamine) deficiency.

(C) Rickets is caused by Vitamin D deficiency.

Quick Tip

Deficiency diseases are frequently tested in GK. Goitre is the primary clinical manifestation of chronic iodine deficiency.

83. Find out the right option: a_c_bca_c_bc_bc

- (A) ababa
- (B) bbaab
- (C) babaa
- (D) babab

Correct Answer: (D) babab

Solution:

The given series is:

a_c_bca_c_bc_bc

There are **5 blanks**, so each option (a word of 5 letters) must be filled *from left to right* into these blanks.

Test option (D): **babab**

Filling the blanks sequentially:

abcabcabcbc

The completed sequence becomes:

a b c a b c a b c a b c b c

Now group the letters:

abc | abc | abc | abc | bc

The pattern is a clear repetition of **abc**. Hence, option (D) produces a consistent and meaningful sequence.

Checking the other options shows that they do *not* produce any regular or repeating pattern.

Correct answer is (D) babab

Quick Tip

When standard repetitive patterns fail, substitute the options and analyze the resulting structure. Look for localized repetitions or progressive shifts in the composition of the sequence.

84. Find out the right option: abca_bcaab_ca_bbc_b

- (A) ccaa
- (B) bbaa
- (C) abac
- (D) abba

Correct Answer: (D) abba

Solution:

The given series is:

abca_bcaab_ca_bbc_b

There are **4 blanks**, so each option (4 letters) must be filled *from left to right* into these blanks.

Observe the visible pattern in the given string. The letters suggest a cyclic repetition of the sequence:

a b c a $\rightarrow$ b c a a $\rightarrow$ c a b b

Thus, the completed sequence should follow a consistent shifting pattern.

Try option (D): **abba**

Filling the blanks sequentially:

abca**ab**caab**b**ca**bb**ca**b**

The completed sequence becomes:

a b c a a b c a a b c a b b c a b

Grouping into blocks of four:

abca | bcaa | cabb | bcab

Each block follows a clear and consistent letter shift, confirming the pattern.

Other options fail to produce any regular or repeating structure.

Correct answer is (D) abba

Quick Tip

For long sequences with repeating letters (a, b, c), look for a cyclical shift in the block structure (e.g., starting letter shifts $a \rightarrow b \rightarrow c$) combined with slight internal variation in the ending letters.

85. The longest bone of body is -

- (A) Femur
- (B) Radius
- (C) Tibia

(D) Ulna

Correct Answer: (A) Femur

Solution:

The Femur (thigh bone) is anatomically recognized as the longest, heaviest, and strongest bone in the human skeleton.

(C) Tibia is the second-longest bone.

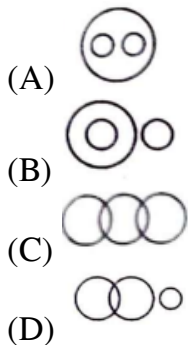
Quick Tip

The Femur is the definitive longest bone, running from the hip to the knee.

Direction: In Question nos. 86 to 89:

In the following questions, three objects name is given, they may be inter-related or not. Each group of objects, matches with the diagram A, B, C and D. Study the diagram and answer the questions:

86. Hindu, Scholar and Muslim:



Correct Answer: (C)

Solution:

1. Hindu and Muslim are mutually exclusive religious groups; their circles should not intersect.
2. Scholar (विद्वान्) is a profession/attribute. A scholar can be a Hindu or a Muslim or belong to a different category.

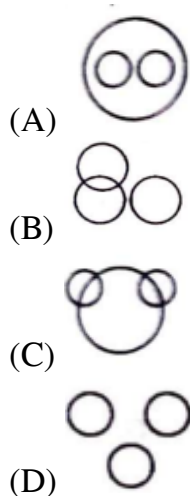
The correct Venn diagram must show one circle (Scholar) partially overlapping both the Hindu circle and the Muslim circle, while the Hindu and Muslim circles remain separate.

Option (C) in the image, typically represents this scenario (one circle intersecting two non-intersecting circles).

Quick Tip

In religious/professional set theory, mutually exclusive groups are separate, while a universal attribute (like profession or knowledge) intersects all groups.

87. Nurse, Doctor and Human being:



Correct Answer: (B)

Solution:

1. Human being is the universal set. Both Nurse and Doctor are Human beings.
2. Nurse and Doctor are two distinct professional categories; they do not overlap.

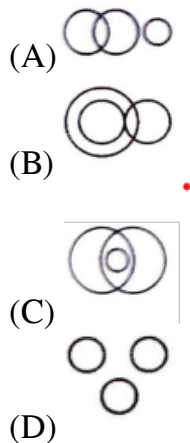
The logical representation is two non-intersecting circles (Nurse, Doctor) fully enclosed within a larger circle (Human Being).

Venn Diagram (B) correctly depicts this relationship.

Quick Tip

When two subsets are mutually exclusive but share a common parent set, use two separate inner circles inside one large outer circle.

88. Animal, Mada (Female) and Cow:



Correct Answer: (A)

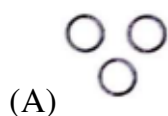
Solution:

1. All Cows are Female (Mada). ($\text{Cow} \subset \text{Mada}$).
2. All Cows are Animals. ($\text{Cow} \subset \text{Animal}$).
3. Female (Mada) and Animal overlap significantly (where female animals are), but Mada includes human females, and Animal includes male animals.
4. Given the ambiguity, the typical simplified representation that establishes the hierarchy is $\text{Cow} \subset \text{Mada} \subset \text{Animal}$ (Option A), although Mada and Animal should technically overlap. Since Cow is a specific instance of a Female Animal, and Mada and Animal share most of Cow's characteristics, (A) is the intended representation in the context of these specific options.

Quick Tip

For sets involving a universally female animal (Cow), the Cow circle is fully contained within the intersection of Female and Animal. Option (A) simplifies this by putting Cow inside Female inside Animal.

89. Rail, Bus and Taxi:





(B)



(C)



(D)

Correct Answer: (B)

Solution:

Rail (train system/vehicle), Bus (motor vehicle), and Taxi (motor vehicle for hire) are three distinct and non-overlapping categories of transport types/vehicles.

A vehicle cannot simultaneously be classified as a Rail vehicle and a Bus.

Therefore, all three sets are mutually exclusive and should be represented by three separate circles.

Quick Tip

Categories that are fundamentally different in nature (like transport types or distinct professions) must be represented by separate, non-intersecting circles.

90. When did third battle of Panipat held ?

(A) 1763

(B) 1762

(C) 1760

(D) 1761

Correct Answer: (D) 1761

Solution:

The Third Battle of Panipat was fought in the year 1761.

It occurred between the Maratha Empire and the Durrani Empire (Afghans).

The exact date was 14th January 1761.

Quick Tip

The three major battles of Panipat (1526, 1556, 1761) are landmark events in Indian history that require precise date knowledge.

91. "Panchayati Raj" began -

- (A) in 1979
- (B) in 1959
- (C) in 1952
- (D) in 1947

Correct Answer: (B) In 1959

Solution:

The Panchayati Raj system was officially inaugurated in India in 1959.

Prime Minister Jawaharlal Nehru formally launched the system on 2nd October 1959 in Nagaur, Rajasthan.

Quick Tip

The date 1959 marks the beginning of the democratic decentralization process known as Panchayati Raj in India.

92. Indian National animal is -

- (A) Cow
- (B) Elephant
- (C) Deer
- (D) Tiger

Correct Answer: (D) Tiger

Solution:

The Royal Bengal Tiger (*Panthera tigris*) is the designated National Animal of India.

It was adopted as the National Animal in 1973, replacing the lion, to prioritize its conservation through Project Tiger.

Quick Tip

The National Animal is the Tiger; the National Bird is the Peacock. Do not confuse the two.

93. Who is called "Punjab Kesari" ?

- (A) Sardar Vallabhbhai Patel
- (B) Lala Lajpat Rai
- (C) Swami Dayanand
- (D) Subhash Chandra Bose

Correct Answer: (B) Lala Lajpat Rai

Solution:

Lala Lajpat Rai was a prominent leader in the Indian independence movement.

He was bestowed with the honorific title Punjab Kesari, meaning the 'Lion of Punjab'.

Quick Tip

Associating popular titles with historical figures is a common GK question type (e.g., Netaji for Subhash Chandra Bose).

94. Which is not leap year from the following ?

- (A) 1896
- (B) 1900
- (C) 1904
- (D) 1980

Correct Answer: (B) 1900

Solution:

To be a leap year, a year must be divisible by 4. If it is a century year (ending in 00), it must also be divisible by 400.

- (A) $1896/4 = 474$. (Leap)
- (C) $1904/4 = 476$. (Leap)
- (D) $1980/4 = 495$. (Leap)
- (B) 1900: Century year. $1900/400 = 4.75$. Since it is not perfectly divisible by 400, 1900 is not

a leap year.

Quick Tip

The century rule for leap years is a crucial exception in calendar problems:
 $\text{Year} \div 400 = \text{Leap Year}$. 1900 is the classic non-leap century year.

95. Saina Nehwal is related to which game ?

- (A) Badminton
- (B) Boxing
- (C) Chess
- (D) Tennis

Correct Answer: (A) Badminton

Solution:

Saina Nehwal is one of India's most successful Badminton players.

She represented India in international badminton events and has won numerous medals.

Quick Tip

Stay updated with major national and international sports personalities and their respective disciplines.

96. In which city Shahjahan built Moti-Masjid ?

- (A) Fatehpur Sikri
- (B) Jaipur
- (C) Agra
- (D) Delhi

Correct Answer: (C) Agra

Solution:

Emperor Shahjahan constructed the famous Moti Masjid (Pearl Mosque) within the walls of the Agra Fort.

It was built between 1648 and 1654.

Quick Tip

Mughal architecture is a frequent GK topic. Shahjahan's most famous structures are associated with Delhi (Red Fort, Jama Masjid) and Agra (Taj Mahal, Moti Masjid).

97. If A means +, B means -, C means $\times$, D means $\div$, then what will be find after solving series ? (10 C 4) A (4 C 4) B 6

- (A) 46
- (B) 50
- (C) 60
- (D) 56

Correct Answer: (B) 50

Solution:

Substitute the coded symbols into the expression:

10 C 4 A 4 C 4 B 6 becomes

$$(10 \times 4) + (4 \times 4) - 6$$

Solve the multiplication operations first (BODMAS/PEMDAS):

$$40 + 16 - 6$$

Solve the addition and subtraction from left to right:

$$56 - 6 = 50.$$

Quick Tip

In coded mathematical operations, strict adherence to the Order of Operations (Parentheses, Multiplication/Division, Addition/Subtraction) is essential for accuracy.

98. The biggest desert of the world is -

- (A) Thar
- (B) Sahara
- (C) Gobi
- (D) Kalahari

Correct Answer: (B) Sahara

Solution:

The Sahara Desert is the largest hot desert in the world, covering approximately 9.2 million

km² in North Africa.

(Note: If polar deserts are included, Antarctica is the largest overall, but Sahara is the largest among non-polar options.)

Quick Tip

Unless specified as polar, the largest desert commonly referred to is the Sahara.

99. 1, 4, 2, 8, 6, 24, 22, 88, (?)

(A) 154

(B) 352

(C) 86

(D) 90

Correct Answer: (C) 86

Solution:

The series follows an alternating sequence of operations.

$$\begin{array}{l} 1 \xrightarrow{\times 4} 4 \\ 4 \xrightarrow{-2} 2 \\ 2 \xrightarrow{\times 4} 8 \\ 8 \xrightarrow{-2} 6 \\ 6 \xrightarrow{\times 4} 24 \\ 24 \xrightarrow{-2} 22 \\ 22 \xrightarrow{\times 4} 88 \end{array}$$

The sequence of operations is $(\times 4, -2, \times 4, -2, \dots)$.

The next operation must be -2 .

$$88 - 2 = 86.$$

Quick Tip

Look for dual-sequence patterns when the terms increase and decrease dramatically. This usually indicates alternating multiplication/addition and subtraction operations.

100. Kautilya wrote -

(A) Atharvaved

- (B) Ramayana
- (C) Arthshastra
- (D) Manusmriti

Correct Answer: (C) Arthshastra

Solution:

Kautilya, also known as Chanakya or Vishnugupta, was the prime minister of Chandragupta Maurya.

He is the author of the ancient Indian treatise on statecraft and economic policy, the Arthshastra (अर्थशास्त्र).

Quick Tip

The Arthshastra is a crucial text in political science and economics, firmly attributed to Kautilya during the Mauryan period.