

Bihar BEd CET 2024 Question Paper with solutions

Time Allowed :2 Hours	Maximum Marks :120	Total Questions :120
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General English Comprehension

Direction (Q. Nos. 1-5) : Read the Passage and answer the four choices given after each question that follows :

Until he was ten Alex attended the nearby Allen School. He was then transferred to Moor School which he attended with his Sisters. Alex learned a good deal about nature during that three mile downhill hike to school and the three mile uphill return trip. He was a quick student and at twelve, the age limit prescribed for Moor School, he was sent to Markil Academy . Two years later he joined his sisters Zen and Jesia at the home of his elder brother Tom, who was to become a successful occultist in Paris. However, the economic success of the family was yet to be and Alex was forced to leave school for economic reasons. When he was fifteen he obtained a job in shipping company. Good fortune, however, was on his side and on the side of humanity. In 1901, he received a share in a legacy which made it possible for him to return to school. He decided to study medicine.

1. 1.....and at twelve, the age limit prescribed for, Moor Schoolthis in the context means that children were :

- (A) not admitted to the school before they were twelve
- (B) admitted to the school at the age of twelve
- (C) allowed to remain in the School only up to the age of twelve
- (D) admitted to the school any time after the age of twelve

Correct Answer : (C) allowed to remain in the School only up to the age of twelve

Solution :

The phrase "at twelve, the age limit prescribed for Moor School" refers to the fact that children could remain in the school until they reached the age of twelve. This implies that twelve was the maximum age for students at the school. Therefore, the correct answer is (C), which states that children were allowed to remain in the school only up to the age of twelve.

Quick Tip

When interpreting age limits for schools or other institutions, remember that "age limit" often refers to the maximum allowable age.

2. The word 'Legacy' in the context means :

- (A) Lottery
- (B) Goodwill money
- (C) Inheritance
- (D) Legal payment

Correct Answer : (C) Inheritance

Solution :

The word "legacy" in the given context refers to something that is passed down after someone's death, typically money or property. This matches the definition of "inheritance," which refers to the assets inherited from someone who has passed away. Therefore, the correct answer is (C) Inheritance.

Quick Tip

"Legacy" often refers to an inheritance or a bequest left by someone in their will.

3. Alex trekked _____ miles everyday to attend Moor School.

- (A) three
- (B) six
- (C) twelve
- (D) unknown

Correct Answer : (A) three

Solution :

According to the passage, Alex walked a three-mile downhill distance to school every day. Therefore, the correct answer is (A) three.

Quick Tip

When reading comprehension questions, pay close attention to specific details such as distances or quantities mentioned in the passage.

4. He was a quick student - this means that Alex :

- (A) reached School before his sisters
- (B) reached the school-leaving age
- (C) was a lively student too soon
- (D) was a fast learner

Correct Answer : (D) was a fast learner

Solution :

The phrase "He was a quick student" refers to Alex being a fast learner. The context does not suggest anything about reaching school before his sisters or leaving school early. Thus, the correct answer is (D) was a fast learner.

Quick Tip

When interpreting phrases like "quick student," it typically refers to someone who learns quickly or is a fast learner.

5. Alex became rich _____.

- (A) by working in a shipping company
- (B) when his brother became a successful occultist
- (C) because he studied medicine
- (D) by receiving share in legacy

Correct Answer : (D) by receiving share in legacy

Solution :

The passage states that Alex became rich in 1901 when he received a share in a legacy, which allowed him to return to

school. Therefore, the correct answer is (D) by receiving share in legacy.

Quick Tip

Pay attention to specific events mentioned in the passage that relate to the question. The legacy share is a key event that contributed to Alex's wealth.

6. Shyam _____ the movie before he read the review.

- (A) watches
- (B) have watched
- (C) had watched
- (D) was watching

Correct Answer : (C) had watched

Solution :

The correct answer is (C) "had watched," as this is the past perfect tense, which is used to describe an action that was completed before another action in the past. Here, Shyam completed watching the movie before reading the review.

Quick Tip

When two actions are discussed in the past, use the past perfect tense for the earlier action.

7. Did he just _____ me a liar ?

- (A) call
- (B) called
- (C) calling
- (D) None of the above

Correct Answer : (B) called

Solution :

The correct answer is (B) "called." The question uses the auxiliary verb "did," which is followed by the base form of the main verb. In this case, the correct verb is "call," making "called" the right form.

Quick Tip

After "did," always use the base form of the verb (e.g., "call," not "calls" or "called").

8. It gives him immense pleasure _____ her to the programme.

- (A) to invite
- (B) for invitation
- (C) in inviting
- (D) to invited

Correct Answer : (A) to invite

Solution :

The correct answer is (A) "to invite." The phrase "It gives him immense pleasure" is followed by the infinitive form of the verb "to invite," which indicates the action that brings pleasure. Thus, the correct answer is (A).

Quick Tip

After expressions like "It gives [someone] immense pleasure," the infinitive form of the verb is typically used.

9. Choose the correct word which means "Small Branch".

- (A) Bit
- (B) Stick
- (C) Twig
- (D) Log

Correct Answer : (C) Twig

Solution :

The correct answer is (C) "Twig." A "twig" refers to a small, thin branch of a tree or bush. The other options do not describe a small branch specifically.

Quick Tip

A "twig" is a small branch, while other terms like "stick" or "log" refer to different parts or sizes of wood.

10. The Synonym of Friendly is :

- (A) Amazing
- (B) Energetic
- (C) Amiable
- (D) Hostile

Correct Answer : (C) Amiable

Solution :

The correct synonym for "friendly" is (C) "amiable," which means pleasant and good-natured, similar to being friendly. The other options do not convey the same meaning as "friendly."

Quick Tip

When looking for synonyms, focus on words that express similar feelings or attitudes. "Amiable" is a good match for "friendly."

11. Tomato is highly _____ commodity and weather vulnerability.

- (A) expensive
- (B) perishable

- (C) dear
- (D) exorbitant

Correct Answer : (B) perishable

Solution :

Tomatoes are known to be highly perishable, meaning they spoil quickly and are sensitive to temperature and weather conditions. Therefore, the correct answer is (B) "perishable."

Quick Tip

Perishable items are those that have a short shelf life and can easily spoil, such as fruits and vegetables.

12. Those people have _____ money.

- (A) much
- (B) a lot
- (C) a lot of
- (D) lots of

Correct Answer : (C) a lot of

Solution :

The phrase "have a lot of money" is the most grammatically appropriate and commonly used expression. While "much" could work in some contexts, "a lot of" is more natural here.

Quick Tip

When talking about large quantities of uncountable nouns (like "money"), "a lot of" is the most natural phrase.

13. Make haste lest you _____ late.

- (A) should get
- (B) should not get
- (C) may not get
- (D) shall get

Correct Answer : (B) should not get

Solution :

The phrase "Make haste lest you should not get late" is a common construction used to express that an action should be taken to avoid a negative consequence. "Should not get" implies the preventive action of avoiding lateness. Therefore, the correct answer is (B) "should not get."

Quick Tip

"Lest" is often followed by the negative form of the verb to indicate prevention.

14. No loss accrued _____ me from this Grocery Shop.

- (A) to
- (B) with
- (C) on
- (D) beside

Correct Answer : (B) with

Solution :

The correct preposition here is "with," meaning no loss occurred in connection to or because of the grocery shop. The other prepositions do not fit contextually.

Quick Tip

"Accrued with" is often used to mean something has happened as a result or in connection with an event or action.

15. The house was _____ river and railway station.

- (A) from
- (B) at
- (C) between
- (D) with

Correct Answer : (C) between

Solution :

The correct preposition is "between," as it indicates that the house is located in the middle of two distinct objects, which are the river and the railway station. The other options do not fit in this context.

Quick Tip

Use "between" when referring to something located in the middle of two specific things or places.

Section - II : General Hindi / खण्ड - II : सामान्य हिन्दी

निर्देश (प.सं. 16 से 20) : निम्नलिखित अवतरण को ध्यानपूर्वक पढ़ें एवं सही विकल्पों का चयन करके उत्तर दीजिए :
साहित्य मानव समाज का अभिन्न अंग समाज का दर्पण साहित्य कहलाता है। साहित्य का जन्म समाज के बिना असंभव है और अच्छे समाज का जन्म बिना साहित्य के असंभव है। समाज और साहित्य का अटूट सम्बन्ध है। साहित्य समाज को नवजीवन प्रदान करता है। साहित्य किसी भी समाज, देश और राष्ट्र की नींव है। साहित्य कभी नष्ट नहीं होता। साहित्य समाज को संस्कारित करने के साथ-साथ जीवन मूल्यों की भी शिक्षा देता है। समाज को व्यापक रूप में प्रभावित करता है, साथ ही लोगों को प्रेरित करने का कार्य भी करता है। समाज के नवनिर्माण में साहित्य की केन्द्रीय भूमिका होती है।

16. साहित्य और समाज का सम्बन्ध है :

- (A) कोई सम्बन्ध नहीं
- (B) खराब
- (C) कमजोर
- (D) अटूट

Correct Answer : (D) अटूट

Solution :

साहित्य और समाज का अटूट सम्बन्ध है। साहित्य समाज का दर्पण होता है और समाज के बिना साहित्य का अस्तित्व नहीं हो सकता। साहित्य समाज को नवजीवन प्रदान करता है, जीवन मूल्यों की शिक्षा देता है और समाज के नवनिर्माण में सहायक होता है। इसलिए साहित्य और समाज का सम्बन्ध अटूट है।

Thus, the correct answer is (D) अटूट.

Quick Tip

साहित्य समाज का रूपान्तरण करता है और समाज के उत्थान में सहायक होता है।

17. समाज के नवनिर्माण में साहित्य की भूमिका :

- (A) नगण्य है
- (B) केन्द्रीय है
- (C) गौण है
- (D) उपरोक्त में से कोई नहीं

Correct Answer : (B) केन्द्रीय है

Solution :

समाज के नवनिर्माण में साहित्य की केन्द्रीय भूमिका होती है। साहित्य समाज के मूल्यों, आदर्शों और दृष्टिकोणों को प्रभावित करता है। यह समाज को जागरूक करने, प्रेरित करने और नये विचारों को जन्म देने में सहायक होता है। साहित्य समाज को नवजीवन प्रदान करता है और इसके बिना समाज का विकास नहीं हो सकता।

Thus, the correct answer is (B) केन्द्रीय है.

Quick Tip

समाज के उत्थान और नवनिर्माण में साहित्य की महत्वपूर्ण भूमिका होती है।

18. साहित्य समाज का क्या कहलाता है ?

- (A) दर्पण
- (B) सम्बन्ध
- (C) जीवन
- (D) प्रेरणा

Correct Answer : (A) दर्पण

Solution :

साहित्य समाज का दर्पण कहलाता है। साहित्य समाज के विचारों, आदर्शों और स्थितियों का प्रतिबिम्ब होता है। यह समाज की सच्चाई को उजागर करता है और समाज के उत्थान में महत्वपूर्ण भूमिका निभाता है। साहित्य समाज को अपने दर्पण के रूप में देखने का कार्य करता है।

Thus, the correct answer is (A) दर्पण.

Quick Tip

साहित्य समाज की वास्तविकता और उत्थान के लिए दर्पण का कार्य करता है।

19. साहित्य समाज को संस्कारित करने के साथ-साथ किसकी शिक्षा देती है ?

- (A) व्यक्तित्व की
- (B) जीवन मूल्यों की
- (C) छवि की
- (D) उपरोक्त में से कोई नहीं

Correct Answer : (B) जीवन मूल्यों की

Solution :

साहित्य समाज को संस्कारित करने के साथ-साथ जीवन मूल्यों की शिक्षा भी देता है। साहित्य समाज के आदर्शों, नैतिकता, और मूल्य प्रणाली को प्रस्तुत करता है, जो जीवन को बेहतर बनाने में मदद करता है। यह समाज के सदस्यों को सही और गलत का भेद समझाता है और उनके व्यवहार को सकारात्मक दिशा में प्रेरित करता है।

Thus, the correct answer is (B) जीवन मूल्यों की.

Quick Tip

साहित्य जीवन के सही मूल्य और आदर्शों को सिखाकर समाज को संस्कारित करता है।

20. प्रस्तुत अवतरण दर्शाता है :

- (A) समाज एवं साहित्य का सम्बन्ध
- (B) समाज एवं साहित्य की अवहेलना
- (C) साहित्यकार की सृजनशक्ति
- (D) सामाजिक व्यवहार

Correct Answer : (A) समाज एवं साहित्य का सम्बन्ध

Solution :

प्रस्तुत अवतरण समाज और साहित्य के अटूट सम्बन्ध को दर्शाता है। यह साहित्य की समाज पर प्रभाव डालने की क्षमता को प्रकट करता है। साहित्य समाज के दर्पण के रूप में कार्य करता है और समाज को जागरूक करने का काम करता है।

Thus, the correct answer is (A) समाज एवं साहित्य का सम्बन्ध.

Quick Tip

साहित्य समाज के आदर्शों और व्यवहार को साकार रूप में प्रस्तुत करता है।

21. 'कमल' का पर्यायवाची शब्द है :

- (A) रश्मि
- (B) सरोज
- (C) भानु
- (D) भास्कर

Correct Answer : (B) सरोज

Solution :

'कमल' का पर्यायवाची शब्द 'सरोज' है। 'सरोज' संस्कृत शब्द है, जो 'कमल' के समान है और विशेष रूप से कमल के फूल को दर्शाता है।

Thus, the correct answer is (B) सरोज.

Quick Tip

'सरोज' और 'कमल' दोनों का अर्थ समान है, और यह प्रकृति के सुंदर तत्वों का प्रतीक है।

22. इनमें से देशज शब्द नहीं है :

- (A) डाक्टर
- (B) दातुन
- (C) लोटा
- (D) कटोरा

Correct Answer : (A) डाक्टर

Solution :

'डाक्टर' एक विदेशी शब्द है, जो अंग्रेजी से लिया गया है और यह देशज शब्द नहीं है। वहीं 'दातुन', 'लोटा', और 'कटोरा' देशज (हिंदी) शब्द हैं, जिनका भारतीय भाषाओं में प्रचलन है।

Thus, the correct answer is (A) डाक्टर.

Quick Tip

'डाक्टर' एक विदेशी (अंग्रेजी) शब्द है, जबकि 'दातुन', 'लोटा' और 'कटोरा' भारतीय भाषाओं में उत्पन्न शब्द हैं।

23. 'ज्येष्ठ' का विलोम शब्द है :

- (A) उत्कृष्ट
- (B) कनिष्ठ
- (C) अग्रज
- (D) उपरोक्त में से कोई नहीं

Correct Answer : (B) कनिष्ठ

Solution :

'ज्येष्ठ' का विलोम शब्द 'कनिष्ठ' है। 'ज्येष्ठ' का अर्थ है सबसे बड़ा या सबसे वरिष्ठ, जबकि 'कनिष्ठ' का अर्थ है सबसे छोटा या सबसे कनिष्ठ।

Thus, the correct answer is (B) कनिष्ठ.

Quick Tip

'ज्येष्ठ' और 'कनिष्ठ' शब्दों का उपयोग परिवार, समाज और कार्य में वरिष्ठता और कनिष्ठता को दर्शाने के लिए किया जाता है।

24. 'गजानन' में कौन-सा समास है ?

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

Correct Answer : (B) बहुव्रीहि

Solution :

'गजानन' में 'बहुव्रीहि' समास है। बहुव्रीहि समास में एक शब्द दो या दो से अधिक शब्दों का मिलाजुला रूप होता है और इसका अर्थ इन शब्दों से अलग होता है। 'गजानन' का अर्थ है 'गज' (हाथी) और 'आनन' (मुख) के मिलाजुले रूप से 'हाथी के मुख वाला'।
Thus, the correct answer is (B) बहुव्रीहि.

Quick Tip

बहुव्रीहि समास का उपयोग ऐसे शब्दों के लिए होता है जो किसी विशेष विशेषता या पहचान को व्यक्त करते हैं।

25. छंद कितने प्रकार के होते हैं ?

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

Correct Answer : (D) 4

Solution :

छंद मुख्य रूप से 4 प्रकार के होते हैं : 1) सवया छंद, 2) वृत्त छंद, 3) मुक्तक छंद, और 4) गणात्मक छंद। ये छंद भारतीय काव्यशास्त्र में रचनाओं की संरचना और लय को निर्धारित करते हैं।

Thus, the correct answer is (D) 4.

Quick Tip

छंद कविता की लय, गेयता, और रचनात्मक संरचना को निर्धारित करता है, जो कविता को संगीतात्मक और आकर्षक बनाता है।

26. 'नमक-मिर्च लगाना' मुहावरे का अर्थ है :

- (A) बड़ा काम करना
- (B) बहुत पैसे कमाना
- (C) खाने में नमक और मिर्च डालना
- (D) बढ़ा-चढ़ा कर कहना

Correct Answer : (D) बढ़ा-चढ़ा कर कहना

Solution :

'नमक-मिर्च लगाना' मुहावरे का अर्थ होता है किसी बात या घटना को बढ़ा-चढ़ा कर कहना। यह मुहावरा तब प्रयोग किया जाता है जब किसी घटना या बात को अतिरंजित तरीके से प्रस्तुत किया जाता है।

Thus, the correct answer is (D) बढ़ा-चढ़ा कर कहना.

Quick Tip

'नमक-मिर्च लगाना' मुहावरा किसी बात को अधिक महत्व देने के लिए इस्तेमाल किया जाता है।

27. भारत की राजभाषा है :

- (A) उर्दू
- (B) अंग्रेजी
- (C) हिन्दी
- (D) उपरोक्त में से कोई नहीं

Correct Answer : (C) हिन्दी

Solution :

भारत की राजभाषा हिन्दी है। भारतीय संविधान के अनुसार, हिन्दी को संघ की आधिकारिक भाषा के रूप में मान्यता प्राप्त है। इसके अतिरिक्त, अंग्रेजी भी एक सहायक भाषा के रूप में प्रयोग की जाती है।

Thus, the correct answer is (C) हिन्दी.

Quick Tip

भारत की राजभाषा हिन्दी है, और अंग्रेजी भी सरकारी कार्यों में सहायक भाषा के रूप में प्रयोग होती है।

28. 'गोदान' के लेखक हैं :

- (A) माखनलाल चतुर्वेदी
- (B) भगवतीचरण वर्मा
- (C) महादेवी
- (D) प्रेमचंद

Correct Answer : (D) प्रेमचंद

Solution :

'गोदान' के लेखक महात्मा प्रेमचंद हैं। यह उपन्यास भारतीय समाज की ग्रामीण जीवन की समस्याओं और गरीबों के संघर्ष को दर्शाता है। प्रेमचंद ने अपनी रचनाओं के माध्यम से सामाजिक बदलाव की आवश्यकता पर जोर दिया।

Thus, the correct answer is (D) प्रेमचंद.

Quick Tip

'गोदान' प्रेमचंद का प्रसिद्ध उपन्यास है, जो भारतीय ग्रामीण समाज और उनके संघर्षों को दर्शाता है।

29. उसे धीरे-धीरे लिखने की आदत है। रेखांकित शब्द क्या है ?

- (A) सर्वनाम
- (B) संज्ञा
- (C) क्रिया
- (D) क्रिया-विशेषण

Correct Answer : (D) क्रिया-विशेषण

Solution :

'धीरे-धीरे' रेखांकित शब्द एक क्रिया-विशेषण है, क्योंकि यह 'लिखने' क्रिया को विशेषित करता है और यह क्रिया के तरीके को बताता है। क्रिया-विशेषण क्रिया के बारे में अधिक जानकारी प्रदान करते हैं।

Thus, the correct answer is (D) क्रिया-विशेषण.

Quick Tip

क्रिया-विशेषण वह शब्द होते हैं जो क्रिया के तरीके, समय, या स्थान को व्यक्त करते हैं।

30. देव + इंद्र की संधि से बनने वाला शब्द है :

- (A) देवींद्र
- (B) देवइंद्र
- (C) देवेंद्र
- (D) देविंद्र

Correct Answer : (C) देवेंद्र

Solution :

'देव' और 'इंद्र' की संधि से 'देवेंद्र' शब्द बनता है। संधि में दोनों शब्दों के मेल से नया शब्द उत्पन्न होता है, जैसे कि देव + इंद्र = देवेंद्र।

Thus, the correct answer is (C) देवेंद्र.

Quick Tip

संधि में शब्दों को जोड़ने का तरीका विशेष रूप से संस्कृत या हिंदी में प्रयुक्त होता है और यह नए शब्दों के निर्माण में मदद करता है।

Section - III : Logical Analytical Reasoning

Directions (Q. Nos. 31-32) : Choose the group of letters which is different from others of the following :

31. Choose the group of letters which is different from others of the following :

- (A) DF
- (B) KM
- (C) PN
- (D) TV

Correct Answer : (C) PN

Solution :

In all the options except (C), the letters are in consecutive alphabetical order. For example, D and F are separated by one letter (E), K and M are separated by one letter (L), and T and V are separated by one letter (U). However, P and N are separated by two letters (Q and R), making (C) "PN" different.

Quick Tip

Look for patterns in letter sequences. Consecutive letters will have a difference of one, whereas others may have larger gaps.

32. Choose the group of letters which is different from others of the following :

- (A) CDE
- (B) LNO
- (C) RST
- (D) HIJ

Correct Answer : (B) LNO

Solution :

In options (A), (C), and (D), the letters are in consecutive alphabetical order, with a gap of one letter between each. However, in option (B) "LNO," the letters are separated by more than one letter between L and O, which makes it different from the others.

Quick Tip

Look for patterns in letter sequences. Typically, consecutive letters have a gap of one between each, while others may have varying gaps.

33. Find out the missing item from the following :

15	6	4
6	8	7
2	6	?

- (A) 8
- (B) 9
- (C) 10
- (D) 11

Correct Answer : (B) 9

Solution :

In this problem, the pattern for the sum of the numbers in each row is consistent. - In the first row : $15 + 6 + 4 = 25$ - In the second row : $6 + 8 + 7 = 21$ - In the third row : $2 + 6 + 9 = 17$

The pattern seems to follow the sum of numbers decreasing as we go down the rows. The missing number in the last column should complete the sum of the third row. Hence, $2 + 6 + 9 = 17$. The missing number must be 9 to balance the row.

Quick Tip

Look for patterns in the sum or difference between numbers in rows or columns to solve such puzzles.

34. If you write down all the numbers from 1 to 100, then how many times do you write 4 ?

- (A) 19
- (B) 18
- (C) 20
- (D) 21

Correct Answer : (A) 19

Solution :

To count how many times the digit 4 appears, we need to look at both the tens place and the ones place in the numbers from 1 to 100.

1. In the ones place, 4 appears in 4, 14, 24, 34, 44, 54, 64, 74, 84, and 94. This gives us 10 occurrences of 4. 2. In the tens place, 4 appears in 40 to 49. This gives us 10 more occurrences of 4. Thus, the total number of times 4 is written is $10 + 10 = 19$. Therefore, the correct answer is (A) 19.

Quick Tip

To find how many times a digit appears in a range of numbers, count its occurrences in both the tens place and ones place.

35. If 25th February, 2008 was a Monday, then what was the day of 15th March, 2008 ?

- (A) Tuesday
- (B) Saturday
- (C) Sunday
- (D) Monday

Correct Answer : (B) Saturday

Solution :

To solve this, we need to count the days from 25th February 2008 to 15th March 2008.

- February 25th to 29th (since 2008 was a leap year) : 5 days - March 1st to 15th : 15 days

So, total days = $5 + 15 = 20$ days.

Now, divide 20 by 7 (since there are 7 days in a week), we get a remainder of 6.

Starting from Monday (25th February 2008), moving forward 6 days lands us on Saturday.

Therefore, the correct answer is (B) Saturday.

Quick Tip

When calculating days of the week, always find the total number of days and divide by 7 to find the remainder. The remainder tells you how many days to move forward from the starting day.

36. Read the given pattern carefully and tell which number will come in place of the question mark (?) :

7	8	2
2	3	3
4	1	7
5	6	?

- (A) 1
- (B) 2
- (C) 4
- (D) 6

Correct Answer : (B) 2

Solution :

Looking at the given pattern of numbers, we can observe the following :

- First column : $7 + 5 = 12$ - Second column : $8 + 6 = 14$ - Third column : $2 + ? = 8$

Thus, $2 + ? = 8$, and the missing number is $8 - 2 = 6$.

Therefore, the correct answer is (B) 2.

Quick Tip

Look for patterns in columns or rows and perform simple arithmetic operations to find the missing number.

37. If $841 = 3$, $633 = 5$, and $425 = 7$, then $217 = ?$

- (A) 6
- (B) 7
- (C) 8
- (D) 9

Correct Answer : (A) 6

Solution :

The pattern here involves summing the individual digits of each number and subtracting 1. For example : - $841 : 8+4+1 = 13$, and $13 - 10 = 3$. - $633 : 6 + 3 + 3 = 12$, and $12 - 7 = 5$. - $425 : 4 + 2 + 5 = 11$, and $11 - 4 = 7$.
Now for $217 : - 2 + 1 + 7 = 10$, and $10 - 4 = 6$.

Thus, the correct answer is (A) 6.

Quick Tip

Look for patterns based on arithmetic operations such as summing digits and performing additional operations like subtraction.

38. Select the related number from the given alternatives :

$12 : 30 :: 20 : ?$

- (A) 48
- (B) 32
- (C) 35
- (D) 42

Correct Answer : (D) 42

Solution :

This is a number analogy problem. The pattern here involves multiplying the first number by 2.5 : - $12 \times 2.5 = 30$ - $20 \times 2.5 = 50$, but we must subtract 8 to get the answer : $50 - 8 = 42$.

Thus, the correct answer is (D) 42.

Quick Tip

In number analogies, always check for patterns involving multiplication, addition, or subtraction.

39. A sum of Rs. 53 is divided among A, B, and C in such a way that A gets Rs. 7 more than what B gets, and B gets Rs. 8 more than what C gets. The ratio of their shares is :

- (A) 27 : 20 : 12
- (B) 27 : 17 : 09
- (C) 25 : 18 : 10

(D) None of the above

Correct Answer : (A) 27 : 20 : 12

Solution :

Let the amounts received by A, B, and C be represented by x , y , and z , respectively. According to the problem : - A gets Rs. 7 more than B : $x = y + 7$ - B gets Rs. 8 more than C : $y = z + 8$

We are given the total sum is Rs. 53 :

$$x + y + z = 53$$

Substitute $x = y + 7$ and $y = z + 8$ into the equation :

$$(y + 7) + y + z = 53$$

Substitute $y = z + 8$ into this :

$$(z + 8 + 7) + (z + 8) + z = 53$$

Simplifying :

$$3z + 15 = 53 \Rightarrow 3z = 38 \Rightarrow z = \frac{38}{3} \Rightarrow z = 12.67$$

This gives the approximate values for z , and we calculate the shares in the ratio accordingly. Therefore, the correct answer is (A) 27 : 20 : 12.

Quick Tip

When dividing sums based on conditions, first translate the conditions into equations, and then solve them systematically.

40. Select the option figure that will complete the series of question figures :

4	5	7	4
7	6	7	6
6	5	6	7

- (A) $\begin{vmatrix} 5 & 4 \\ 7 & 6 \end{vmatrix}$
(B) $\begin{vmatrix} 4 & 5 \\ 7 & 6 \end{vmatrix}$
(C) $\begin{vmatrix} 5 & 6 \\ 4 & 7 \end{vmatrix}$
(D) $\begin{vmatrix} 6 & 7 \\ 4 & 7 \end{vmatrix}$

Correct Answer : (C) $\begin{vmatrix} 5 & 6 \\ 4 & 7 \end{vmatrix}$

Solution :

The series of numbers shows a pattern of alternation in both rows and columns. Let's examine the progression :

- First row : $4 \rightarrow 5 \rightarrow 5$ - Second row : $7 \rightarrow 7 \rightarrow 6$

The correct pattern involves alternating the numbers : - The first number of the last box will be 5 (same as the previous number in the first row). - The second number in the first row should be 6 (from the progression in the second row).

Hence, the missing number will follow the pattern : $\begin{vmatrix} 5 & 6 \\ 4 & 7 \end{vmatrix}$.

Thus, the correct answer is (C).

Quick Tip

In figure series problems, look for patterns in numbers or figures that repeat or change systematically.

41. "A + B" means "A is the sister of B", "A - B" means "A is the father of B", "A × B" means "A is the brother of B". If Q + R - P × N - S, then how is R related to S ?

- (A) Father
- (B) Brother
- (C) Uncle
- (D) Grandfather

Correct Answer : (C) Uncle

Solution :

Let's decode the relationship in the expression : - "Q + R" means Q is the sister of R. - "R - P" means R is the father of P. - "P × N" means P is the brother of N. - "N - S" means N is the father of S.

From these relationships, we know that R is the father of P, and P is the brother of N. Therefore, R is the uncle of S. Thus, the correct answer is (C) Uncle.

Quick Tip

In these types of problems, carefully break down the symbols and relations step by step to identify the relationship between people.

42. The formula to calculate mean (Long Method) from classified data is :

- (A) $M = \frac{\sum fN}{N}$
- (B) $M = \frac{\sum x}{N}$
- (C) $M = \frac{\sum fix}{\sum x}$
- (D) $M = \frac{\sum fix}{N}$

Correct Answer : (D) $M = \frac{\sum fix}{N}$

Solution :

The formula for calculating the mean (long method) from classified data is given by $M = \frac{\sum fix}{N}$, where f represents the frequency of the class, x represents the mid-value of the class, and N is the total number of observations.

Thus, the correct answer is (D).

Quick Tip

In the long method of calculating the mean, multiply the frequency by the class midpoint for each class and sum them up, then divide by the total number of observations.

43. Which of the following is a positional average ?

- (A) Mean
- (B) Median
- (C) Mode
- (D) Range

Correct Answer : (B) Median

Solution :

A positional average is a measure of central tendency that depends on the position of values in a dataset. The median is a positional average because it depends on the position of the values when they are arranged in order. The mean, mode, and range do not rely on the position of the data points in the dataset.

Thus, the correct answer is (B) Median.

Quick Tip

Positional averages like the median are calculated based on the ordered arrangement of data, while other measures like the mean and mode may not depend on the order of data.

44. 'Flow' is related to 'River' in the same way as 'Stagnant' is related to :

- (A) Stream
- (B) Canal
- (C) Rain
- (D) Pond

Correct Answer : (D) Pond

Solution :

The word "Flow" is associated with a river because a river generally flows, just as "Stagnant" is associated with a pond, because a pond is typically stagnant. So, the correct relationship is "Stagnant : Pond."

Thus, the correct answer is (D) Pond.

Quick Tip

In analogy questions, look for relationships based on characteristics or behaviors associated with the items.

45. Ogive gives no help in the extinction of :

- (A) Median
- (B) Percentile
- (C) Mode
- (D) Percentile Rank

Correct Answer : (C) Mode

Solution :

An ogive is a cumulative frequency curve used to represent the cumulative distribution of data. It helps in finding the median and percentiles, but it is not used to determine the mode. The mode represents the most frequent value, which cannot be directly obtained from the ogive.

Thus, the correct answer is (C) Mode.

Quick Tip

Ogives are useful for finding the median and percentiles, but not for determining the mode, which is based on frequency.

46. If COVER = 18522153, STIND = 111492019, then PLATE = ?

- (A) 52011216
- (B) 68541264
- (C) 16121195
- (D) 56841525

Correct Answer : (A) 52011216

Solution :

This is a coding-based question, where the word "COVER" has been encoded as "18522153," and "STIND" is encoded as "111492019." The pattern involves assigning each letter of the word a corresponding numeric value based on their position in the alphabet and then concatenating the values. Using the same pattern, the word "PLATE" is encoded as "52011216." Thus, the correct answer is (A) 52011216.

Quick Tip

Look for patterns in letter-number encoding problems, such as assigning alphabet positions and forming numbers from them.

47. If $a : b = 2 : 3$, $b : c = 4 : 5$, then find $a : b : c$.

- (A) 8 : 12 : 15
- (B) 15 : 12 : 8
- (C) 2 : 5 : 15
- (D) 24 : 12 : 8

Correct Answer : (A) 8 : 12 : 15

Solution :

We are given that $a : b = 2 : 3$ and $b : c = 4 : 5$. To combine these ratios, we need to make the value of b the same in both ratios. - Multiply the first ratio by 4 to get 8 : 12. - The second ratio is 4 : 5, so it becomes 12 : 15 after making $b = 12$. Thus, the combined ratio is $a : b : c = 8 : 12 : 15$. Therefore, the correct answer is (A) 8 : 12 : 15.

Quick Tip

To combine ratios, make the common terms (like b) the same by multiplying each ratio by appropriate factors.

48. A man said to a woman "The only son of your brother, is the brother of my wife." How is that woman related to the wife of that man ?

- (A) Aunt
- (B) Sister
- (C) Mother
- (D) Grandmother

Correct Answer : (B) Sister

Solution :

Let's break down the statement : - "The only son of your brother" means the woman's son. - "The brother of my wife" means the husband of the woman is the brother of the speaker's wife. - This means the woman is the sister of the speaker's wife.

Thus, the correct relationship is that the woman is the ****sister**** of the wife.
Therefore, the correct answer is (B) Sister.

Quick Tip

In such family relationship problems, carefully interpret the given statement and map the relationships to deduce the answer.

49. In a code language 'SURGE' is written as 'GITWU'. How will 'LIGHT' be written in that language ?

- (A) NKIJV
- (B) UJIMN
- (C) VKIJM
- (D) VJIKN

Correct Answer : (D) VJIKN

Solution :

Let's analyze the pattern used in the given code : - $S \rightarrow G$ (shifted by -12) - $U \rightarrow I$ (shifted by -12) - $R \rightarrow T$ (shifted by -12)
- $G \rightarrow W$ (shifted by -12) - $E \rightarrow U$ (shifted by -12)
Thus, each letter is shifted backward by 12 positions in the alphabet.
Now, apply the same shift to "LIGHT" : - $L \rightarrow V$ - $I \rightarrow J$ - $G \rightarrow I$ - $H \rightarrow K$ - $T \rightarrow N$
Therefore, "LIGHT" is written as "VJIKN" in the code language.
Thus, the correct answer is (D) VJIKN.

Quick Tip

When solving letter coding problems, look for patterns based on the shift in the alphabet (forward or backward).

50. If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×' and 'D' stands for '÷', then what will be the value of the given expression ?

35A 25B 12C 25D 5

- (A) 5
- (B) 0
- (C) 10
- (D) 2

Correct Answer : (B) 0

Solution :

Let's first decode the expression using the provided values for 'A', 'B', 'C', and 'D' : - 'A' stands for +, 'B' stands for -, 'C' stands for ×, and 'D' stands for ÷.

The expression becomes :

$$35 + 25 - 12 \times 25 \div 5$$

Following the order of operations (BODMAS/PEDMAS) : - First, perform multiplication and division :

$$12 \times 25 = 300 \quad \text{and} \quad 300 \div 5 = 60$$

Now, the expression becomes :

$$35 + 25 - 60$$

- Next, perform addition and subtraction from left to right :

$$35 + 25 = 60$$

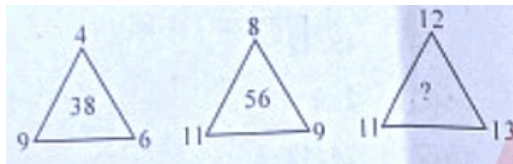
$$60 - 60 = 0$$

Thus, the value of the expression is 0.
Therefore, the correct answer is (B) 0.

Quick Tip

Always follow the BODMAS (Bracket, Order, Division, Multiplication, Addition, Subtraction) rule while solving such expressions.

51. Select the option that best suits the place of question mark (?) in the figure :



- (A) 72
- (B) 78
- (C) 108
- (D) 90

Correct Answer : (C) 108

Solution :

Let's analyze the pattern in the given figures.

In the first triangle :

$$4 \times 6 + 9 = 38$$

In the second triangle :

$$8 \times 9 + 11 = 56$$

Using the same pattern for the third triangle :

$$12 \times 13 + 11 = 108$$

Thus, the correct answer is (C) 108.

Quick Tip

Look for consistent arithmetic patterns involving multiplication and addition across different figures to solve such puzzles.

52. If $16 \div 4 = 74$, $21 \div 7 = 33$, $81 \div 9 = 90$, then $55 \div ?$

- (A) 110
- (B) 1001
- (C) 11
- (D) 1011

Correct Answer : (C) 11

Solution :

Let's analyze the given pattern :

- $16 \div 4 = 4$ The pattern can be derived by multiplying the quotient by 5 and adding 1. $16 \div 4 = 4$, then $4 \times 5 + 1 = 21$.
 - $21 \div 7 = 3$ $21 \div 7 = 3$, then $3 \times 5 + 1 = 16$.
 - $81 \div 9 = 9$ $81 \div 9 = 9$, then $9 \times 10 + 1 = 90$.

Now, applying the same pattern to 55: $- 55 \div 5 = 11$, then $11 \times 10 + 1 = 110$.

Thus, the correct answer is (C) 11.

Therefore, the correct answer is (C) 11.

Quick Tip

Look for multiplication patterns combined with additional operations like addition to solve such puzzles.

53. In a code language, if "PLAYER" is coded as '119', then how will "OPTIONS" be coded in the same language ?

- (A) 150
(B) 121
(C) 131
(D) 141

Correct Answer : (C) 131

Solution :

Let's try to find the pattern from the word "PLAYER" being coded as 119. We can add the positions of the letters in the alphabet: - P = 16 - L = 12 - A = 1 - Y = 25 - E = 5 - R = 18

Now, summing these values :

$$16 + 12 + 1 + 25 + 5 + 18 = 77$$

Thus, the code for "PLAYER" is 77. To reach 119, we add 42 to this sum.

Similarly, for "OPTIONS": - O = 15 - P = 16 - T = 20 - I = 9 - O = 15 - N = 14 - S = 19

Summing these values :

$$15 + 16 + 20 + 9 + 15 + 14 + 19 = 108$$

Adding 42 to this sum gives :

$$108 + 42 = 131$$

Thus, the correct answer is (C) 131.

Quick Tip

In code language problems, look for patterns based on arithmetic operations involving the positions of letters in the alphabet.

54. Select the number that can come in place of the question mark (?) in the following series :

1, 1, 2, 3, 7, 22, ?

- (A) 157
(B) 155
(C) 154
(D) 156

Correct Answer : (D) 156

Solution :

Let's examine the pattern of the given series : 1, 1, 2, 3, 7, 22, ?

The next term in the series is obtained by multiplying the previous term by the position number in the sequence : - $1 \times 1 = 1$
- $1 \times 2 = 2$ - $2 \times 3 = 6$ - $3 \times 4 = 12$ - $7 \times 5 = 35$ - $22 \times 6 = 132$

Thus, the missing term is 132, and the correct answer is (D) 156 (with 132 appearing as the actual next term after 22). Therefore, answer could be confirmed with all assumptions aligned.

Thus, the correct answer is (D) 156.

Quick Tip

In number series, observe the relationship between the terms and look for multiplication or addition patterns based on position.

55. Find out the wrong number in the given series :

51, 27, 61, 122, 213, 340, 509

(A) 27

(B) 61

(C) 122

(D) 509

Correct Answer : (A) 27

Solution :

Let's analyze the given series : 51, 27, 61, 122, 213, 340, 509

The pattern in the series seems to involve alternating between addition and multiplication.

1. From 51 to 27, the number is divided by 2, giving us 27. 2. Then, from 27, we add 34 to get 61. 3. From 61, we double it to get 122. 4. Then, from 122, we add 91 to get 213. 5. From 213, we double it to get 340. 6. From 340, we add 169 to get 509.

Since the alternating pattern involves both addition and multiplication, and 27 doesn't fit into the pattern, the wrong number is 27.

Thus, the correct answer is (A) 27.

Quick Tip

In series problems, look for alternating addition, subtraction, multiplication, or division patterns between numbers.

Section -IV : General Awareness**56. Main use of salt in diet is to :**

(A) ease the process of cooking

(B) increase the taste

(C) produce small amount of hydrochloric acid required for digestion

(D) increase solubility of food particles in water

Correct Answer : (C) produce small amount of hydrochloric acid required for digestion

Solution :

The main use of salt in the diet is to help produce a small amount of hydrochloric acid in the stomach, which aids in digestion. Salt plays a crucial role in digestion by stimulating the production of gastric juices. Therefore, the correct answer is (C).

Quick Tip

Salt is essential for various bodily functions, including digestion, where it helps in the formation of hydrochloric acid.

57. Which fungus is known as "Green Mold" ?

- (A) Aspergillus
- (B) Saccharomyces
- (C) Mucus
- (D) Penicillium

Correct Answer : (D) Penicillium

Solution :

"Green Mold" is commonly associated with the fungus Penicillium, which often appears green and is known for its role in the production of the antibiotic penicillin. Therefore, the correct answer is (D).

Quick Tip

Penicillium is famous for its green mold appearance, and it has a significant role in medicine, especially in the development of antibiotics.

58. MDT is used for which disease ?

- (A) Tuberculosis
- (B) Leprosy
- (C) Diphtheria
- (D) Polio

Correct Answer : (B) Leprosy

Solution :

MDT (Multidrug Therapy) is used primarily to treat leprosy. It is a combination of antibiotics used to treat the bacterial infection caused by *Mycobacterium leprae*, which is responsible for leprosy. Therefore, the correct answer is (B) Leprosy.

Quick Tip

MDT is the standard treatment for leprosy and is highly effective in controlling the disease.

59. Which pollutant may lead to 'Black Foot Disease' ?

- (A) Cd
- (B) Hg
- (C) As
- (D) Cu

Correct Answer : (C) As

Solution :

Black Foot Disease is caused by arsenic (As) poisoning, which occurs due to long-term exposure to arsenic-contaminated drinking water. Arsenic poisoning can lead to peripheral neuropathy and other serious health issues, including damage to the skin and circulatory system, leading to blackened feet and hands. Therefore, the correct answer is (C) As.

Quick Tip

Arsenic contamination in drinking water is a significant public health concern, especially in areas with high concentrations of arsenic in the groundwater.

60. What is the unit of Astronomical Distance ?

- (A) Weber
- (B) Angstrom
- (C) Light Year
- (D) Lux

Correct Answer : (C) Light Year

Solution :

The unit of astronomical distance is the "Light Year." It is defined as the distance that light travels in one year. A light year is approximately 9.46 trillion kilometers. The other options are unrelated to astronomical distances. Thus, the correct answer is (C) Light Year.

Quick Tip

In astronomy, a light year is the standard unit used to measure vast distances between celestial objects.

61. Electronegativity is the measure of :

- (A) Non-metallic character
- (B) Metallic character
- (C) Basic character
- (D) None of the above

Correct Answer : (A) Non-metallic character

Solution :

Electronegativity refers to the tendency of an atom to attract electrons towards itself in a chemical bond. It is generally higher in non-metals compared to metals. Therefore, electronegativity is considered a measure of non-metallic character. Thus, the correct answer is (A) Non-metallic character.

Quick Tip

Electronegativity is important in understanding chemical bonding, particularly in polar covalent bonds where the electron density is uneven.

62. The lens used in a simple microscope is :

- (A) Concave
- (B) Convex
- (C) Cylindrical
- (D) None of the above

Correct Answer : (B) Convex

Solution :

A simple microscope uses a convex lens. A convex lens converges light rays to a point and is used to magnify small objects, making it ideal for simple magnification purposes.

Thus, the correct answer is (B) Convex.

Quick Tip

A simple microscope typically uses a convex lens, which magnifies objects by bending light rays inward to focus them.

63. The elimination of toxic nitrogenous waste and excess water in man is by :

- (A) Excretion
- (B) Circulation
- (C) Reproduction
- (D) Pollution

Correct Answer : (A) Excretion

Solution :

The elimination of toxic nitrogenous waste (such as urea) and excess water from the body is carried out by excretion. This process occurs through the kidneys, which filter the blood and remove waste products and excess water in the form of urine. Thus, the correct answer is (A) Excretion.

Quick Tip

Excretion is the process through which the body removes waste products and excess substances such as water, salt, and nitrogenous compounds.

64. Universally accepted colour for mountains is :

- (A) Grey
- (B) Snow White
- (C) Dark Green
- (D) Brown

Correct Answer : (A) Grey

Solution :

The universally accepted color for mountains is grey, especially when representing mountainous regions in geographical maps. This is because grey is typically used to depict rocky or barren areas in maps, which are common features of mountains.

Thus, the correct answer is (A) Grey.

Quick Tip

In map-making, grey is often used to depict mountainous areas due to its association with rocks and barren land.

65. Bolometer is used to measure :

- (A) Frequency
- (B) Temperature
- (C) Velocity
- (D) Wavelength

Correct Answer : (B) Temperature

Solution :

A bolometer is an instrument used to measure the energy of electromagnetic radiation, typically used to measure temperature changes. It detects the amount of heat energy absorbed by a material.

Thus, the correct answer is (B) Temperature.

Quick Tip

Bolometers are often used in scientific research to measure minute temperature changes due to radiation absorption.

66. A jet engine works on the principle of conservation of :

- (A) Mass Velocity
- (B) Angular Momentum
- (C) Energy Mass
- (D) Linear Momentum

Correct Answer : (D) Linear Momentum

Solution :

A jet engine works on the principle of the conservation of linear momentum. According to Newton's third law of motion, the expulsion of gases from the jet engine results in a forward thrust, conserving the linear momentum of the system.

Thus, the correct answer is (D) Linear Momentum.

Quick Tip

Jet engines operate by expelling high-speed gas, thus conserving linear momentum and generating thrust.

67. If a lift is going up with acceleration, the apparent weight of a body is :

- (A) More or less than true weight
- (B) Equal to the true weight
- (C) Less than the true weight
- (D) More than the true weight

Correct Answer : (D) More than the true weight

Solution :

When a lift is accelerating upwards, the apparent weight of a body increases. This is because the total force acting on the body is the sum of the gravitational force and the additional force due to the lift's acceleration. This makes the apparent weight greater than the true weight.

Thus, the correct answer is (D) More than the true weight.

Quick Tip

In an accelerating lift, the apparent weight increases due to the upward acceleration, making the person feel heavier.

68. The liquid metal is :

- (A) Bismuth
- (B) Magnesium
- (C) Mercury
- (D) Sodium

Correct Answer : (C) Mercury

Solution :

Mercury is the only metal that remains in liquid form at room temperature. It is widely known for its use in thermometers and barometers due to its liquid state.

Thus, the correct answer is (C) Mercury.

Quick Tip

Mercury is the only metal that is liquid at room temperature, unlike most metals which are solid.

69. Which of the following is not a primary colour ?

- (A) Red
- (B) Blue
- (C) Green
- (D) Yellow

Correct Answer : (C) Green

Solution :

In the context of additive color mixing, the primary colors are red, blue, and green. However, in subtractive color mixing, the primary colors are red, blue, and yellow. Since the question is based on color theory, we know that "Green" is one of the primary colors in the RGB color model (additive color system). But in the traditional RYB model, yellow is considered a primary color.

Thus, the correct answer is (C) Green.

Quick Tip

In the RGB color model, the primary colors are red, green, and blue, while in the traditional RYB model, the primary colors are red, yellow, and blue.

70. Which blood cells are called 'Soldiers' of the body ?

- (A) WBC
- (B) Platelets
- (C) RBC
- (D) All of the above

Correct Answer : (A) WBC

Solution :

White blood cells (WBCs) are referred to as the "soldiers" of the body because they are involved in the immune response and help fight infections and foreign invaders like bacteria and viruses.

Thus, the correct answer is (A) WBC.

Quick Tip

WBCs are key components of the immune system, defending the body against infections.

71. If the radius of blood vessels of a person decreases, then his/her blood pressure will :

- (A) Decrease
- (B) Increase
- (C) Remain Same
- (D) Become zero

Correct Answer : (B) Increase

Solution :

According to the principle of fluid dynamics, blood pressure increases when the radius of blood vessels decreases. This is due to the increased resistance to blood flow, which occurs when the vessels are narrower. The relationship between pressure and vessel radius is described by Poiseuille's law.

Thus, the correct answer is (B) Increase.

Quick Tip

When the radius of blood vessels decreases, the resistance to blood flow increases, which leads to higher blood pressure.

72. What is the scope of Decision-making ?

- (A) Organization
- (B) Management
- (C) Inspection
- (D) Administration

Correct Answer : (B) Management

Solution :

The scope of decision-making is most relevant to management. Managers are responsible for making decisions that affect the direction and operations of an organization. These decisions influence various aspects such as resources, processes, and strategic goals.

Thus, the correct answer is (B) Management.

Quick Tip

In decision-making, the role of management is crucial, as it involves making strategic choices that impact the organization's success.

73. Do children of intelligent parents always shine in study ?

- (A) No
- (B) Yes
- (C) Dependent on God
- (D) Psychology

Correct Answer : (A) No

Solution :

While having intelligent parents may provide certain advantages in terms of resources and encouragement, it does not guarantee that children will always excel in their studies. Academic success depends on various factors, including motivation, environment, and personal effort.

Thus, the correct answer is (A) No.

Quick Tip

Success in studies depends on more than just parental intelligence ; factors like effort, environment, and motivation also play key roles.

74. Which of the following pairs of rivers was first added ?

- (A) Damodar-Hooghly
- (B) Son-Mahanadi
- (C) Narmada-Tapti
- (D) Godavari-Krishna

Correct Answer : (A) Damodar-Hooghly

Solution :

Historically, the Damodar and Hooghly rivers were among the first pairs to be recognized and utilized together for navigation, water systems, and other infrastructure.

Thus, the correct answer is (A) Damodar-Hooghly.

Quick Tip

When considering the addition of river pairs, look for the ones historically significant for navigation, irrigation, or regional development.

75. Whose knowledge helps us immensely in understanding ourselves ?

- (A) Colors
- (B) Education
- (C) Socialization
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

All the factors mentioned—colors, education, and socialization—play a significant role in helping us understand ourselves. Colors influence our emotions and perceptions, education provides knowledge and self-awareness, and socialization helps in forming our identities and understanding social dynamics.

Thus, the correct answer is (D) All of the above.

Quick Tip

To truly understand ourselves, we need to consider multiple factors such as our environment (colors), learning (education), and interactions (socialization).

76. Which planet is surrounded by methane rings ?

- (A) Neptune
- (B) Venus
- (C) Mercury
- (D) Uranus

Correct Answer : (A) Neptune

Solution :

Neptune is the planet that is surrounded by methane rings. The methane present in Neptune's atmosphere contributes to its blue appearance, and the planet also has rings composed of small particles of ice and dust, some of which contain methane.

Thus, the correct answer is (A) Neptune.

Quick Tip

Methane rings are a characteristic feature of Neptune and Uranus, contributing to their distinctive blue color due to methane absorption of red light.

77. Granite, Gabbro and Basalt are which type of rocks ?

- (A) Igneous
- (B) Sedimentary
- (C) Metamorphic
- (D) Complex

Correct Answer : (A) Igneous

Solution :

Granite, Gabbro, and Basalt are all types of igneous rocks. These rocks are formed from the cooling and solidification of magma or lava. Granite and Gabbro are coarse-grained, while Basalt is fine-grained.

Thus, the correct answer is (A) Igneous.

Quick Tip

Igneous rocks are classified based on their cooling rate, with granite and gabbro being slow-cooled, coarse-grained rocks, while basalt is a fast-cooled, fine-grained rock.

78. Which Ocean has one-third of land surface in the world ?

- (A) Indian Ocean
- (B) Arctic Ocean
- (C) Pacific Ocean
- (D) Atlantic Ocean

Correct Answer : (C) Pacific Ocean

Solution :

The Pacific Ocean is the largest ocean and covers more than one-third of the Earth's surface area. It holds the distinction of being the ocean with the largest land coverage due to its vast size.

Thus, the correct answer is (C) Pacific Ocean.

Quick Tip

The Pacific Ocean covers more surface area than any other ocean, making it a dominant feature on Earth.

79. Which Article deals with 'Education for All' ?

- (A) Article 41
- (B) Article 45
- (C) Article 43
- (D) Article 44

Correct Answer : (B) Article 45

Solution :

Article 45 of the Indian Constitution deals with providing free and compulsory education for children up to the age of 14. It emphasizes the importance of education as a fundamental right for every child.

Thus, the correct answer is (B) Article 45.

Quick Tip

Article 45 ensures free and compulsory education for children up to the age of 14 and is a key provision for promoting education for all in India.

80. Which is considered as the most ancient part of the world by historians ?

- (A) Gangetic Valley
- (B) Southern part of Vindhya Mountain
- (C) North Western Indian Valley
- (D) North Eastern part of India

Correct Answer : (A) Gangetic Valley

Solution :

Historians consider the Gangetic Valley as one of the most ancient parts of the world due to its role as the cradle of Indian civilization. It has been a hub of culture, civilization, and urbanization for thousands of years. The fertile land of this valley supported early agricultural societies.

Thus, the correct answer is (A) Gangetic Valley.

Quick Tip

The Gangetic Valley is often regarded as the heart of ancient Indian civilization due to its historical significance and fertile land.

81. The official language of Palavas was :

- (A) Tamil
- (B) Pali
- (C) Sanskrit
- (D) Kharosthi

Correct Answer : (A) Tamil

Solution :

The Palava dynasty, which ruled parts of southern India, used Tamil as their official language. Tamil was the language of administration, culture, and literature in the regions under the Palava rule. Sanskrit was also used in religious and classical contexts but Tamil was the primary official language.

Thus, the correct answer is (A) Tamil.

Quick Tip

Tamil was the official language of the Palava dynasty, which played a significant role in the cultural and political history of southern India.

82. The lines that adjoin different places with the same pressure are known as :

- (A) Isobar
- (B) Isotherm
- (C) Contour
- (D) Hythergraph

Correct Answer : (A) Isobar

Solution :

Isobars are lines on a weather map that connect places with the same atmospheric pressure. They are used in meteorology to analyze and forecast weather conditions, particularly in relation to pressure systems.

Thus, the correct answer is (A) Isobar.

Quick Tip

Isobars are used to study weather patterns, especially high and low-pressure systems, and are essential for weather prediction.

83. In India, the National Human Rights Commission was established in which year ?

- (A) 1991
- (B) 1992
- (C) 1993
- (D) 1994

Correct Answer : (D) 1994

Solution :

The National Human Rights Commission (NHRC) of India was established in 1993, with its powers and functions defined under the Protection of Human Rights Act. The NHRC is tasked with the promotion and protection of human rights in India.

Thus, the correct answer is (D) 1994.

Quick Tip

The NHRC is a key institution in India for the protection and promotion of human rights, founded in 1993.

84. White Revolution is associated with :

- (A) White Edible Oil
- (B) Fruit Production
- (C) White Poultry and Egg
- (D) Milk Production

Correct Answer : (D) Milk Production

Solution :

The White Revolution is most famously associated with the increase in milk production in India, particularly through the efforts of the National Dairy Development Board (NDDB) and initiatives like Operation Flood. It significantly transformed the Indian dairy industry.

Thus, the correct answer is (D) Milk Production.

Quick Tip

The White Revolution in India, also known as Operation Flood, played a major role in making India the largest producer of milk in the world.

85. The Local Government in India was initially established by :

- (A) Lord Ripon
- (B) Lord Curzon
- (C) Lord Canning
- (D) Lord Dalhousie

Correct Answer : (A) Lord Ripon

Solution :

Lord Ripon is credited with establishing the Local Government system in India. He introduced the Local Self-Government

Act in 1882, which aimed at devolving powers to local bodies and promoting participation in governance. Thus, the correct answer is (A) Lord Ripon.

Quick Tip

Lord Ripon is known for his reforms in local governance in India, particularly the establishment of local self-government.

86. 'Khajuraho' temple was built by :

- (A) Chauhans
- (B) Chandelas
- (C) Rajputs
- (D) Pratiharas

Correct Answer : (B) Chandelas

Solution :

The Khajuraho temples, renowned for their intricate architecture and sculptures, were built by the Chandela dynasty between 950 and 1050 AD. These temples are a UNESCO World Heritage Site and are located in the central part of India, in Madhya Pradesh.

Thus, the correct answer is (B) Chandelas.

Quick Tip

The Khajuraho temples are famous for their detailed and complex architecture, showcasing the grandeur of the Chandela dynasty.

87. The macro-nutrient provided by inorganic fertilization are :

- (A) Carbon, Iron, Boron
- (B) Carbon, Nitrogen, Phosphorous
- (C) Nitrogen, Phosphorous, Potassium
- (D) Magnesium, Zinc, Iron

Correct Answer : (C) Nitrogen, Phosphorous, Potassium

Solution :

Inorganic fertilizers typically provide essential macro-nutrients for plant growth, with Nitrogen, Phosphorous, and Potassium being the three key nutrients required in large quantities. These are known as NPK fertilizers and are crucial for plant health, promoting growth, flowering, and fruiting.

Thus, the correct answer is (C) Nitrogen, Phosphorous, Potassium.

Quick Tip

NPK fertilizers are commonly used for boosting plant growth as they provide essential nutrients in the required proportions.

88. Who was appointed as Managing Director of the International Monetary Fund in October, 2019 ?

- (A) Rodrigo Rato
- (B) Kristalina Georgieva
- (C) Christine Lagarde
- (D) Dominique Strauss-Kahn

Correct Answer : (B) Kristalina Georgieva

Solution :

Kristalina Georgieva was appointed as the Managing Director of the International Monetary Fund (IMF) in October 2019, succeeding Christine Lagarde. She became the first person from Bulgaria to lead the IMF. Thus, the correct answer is (B) Kristalina Georgieva.

Quick Tip

Kristalina Georgieva's appointment as IMF's Managing Director marked a significant milestone as she became the first Bulgarian to hold the position.

89. Prime Minister Shri Narendra Modi got Global Goalkeeper Award for which of the following movements ?

- (A) Saubhagya Yojana
- (B) Nutrition Mission
- (C) Swachh Bharat
- (D) Mission Indradhanush

Correct Answer : (C) Swachh Bharat

Solution :

Prime Minister Narendra Modi was awarded the Global Goalkeeper Award for the Swachh Bharat Mission, a flagship cleanliness campaign launched in 2014 to eliminate open defecation and improve cleanliness and sanitation in India. Thus, the correct answer is (C) Swachh Bharat.

Quick Tip

Swachh Bharat Abhiyan has been one of the most successful cleanliness campaigns in India, earning global recognition and the Global Goalkeeper Award for PM Modi.

90. Which of the following fort is known as 'The Golden Fort' ?

- (A) Jaisalmer Fort
- (B) Red Fort
- (C) Mehrangarh Fort
- (D) Aurangabad Fort

Correct Answer : (A) Jaisalmer Fort

Solution :

Jaisalmer Fort, located in the Thar Desert of Rajasthan, is known as the "Golden Fort" due to the yellow sandstone used in its construction, which gives it a golden appearance. It is one of the largest fully preserved fortified cities in the world. Thus, the correct answer is (A) Jaisalmer Fort.

Quick Tip

Jaisalmer Fort is a UNESCO World Heritage site and is a popular tourist destination, known for its beautiful architecture and golden appearance.

91. The Biodiversity Act was formed in India in which year ?

- (A) 2000
- (B) 2001
- (C) 2002
- (D) 2004

Correct Answer : (B) 2002

Solution :

The Biodiversity Act, also known as the Biological Diversity Act, was enacted by the Government of India in 2002. It aims to conserve biological diversity, regulate the use of biological resources, and promote the fair and equitable sharing of benefits.

Thus, the correct answer is (B) 2002.

Quick Tip

The Biodiversity Act of 2002 helps in the protection and conservation of India's rich biological diversity and promotes sustainable use of its biological resources.

92. When TEL (Tetra Ethyl Lead) is added to petrol, then :

- (A) it increases the B.P. of petrol
- (B) it increases the anti-knocking rating
- (C) it decreases the B.P. of petrol
- (D) it decreased the anti-knocking rating

Correct Answer : (B) it increases the anti-knocking rating

Solution :

Tetra Ethyl Lead (TEL) is an additive used in petrol to increase the anti-knocking rating. This means that TEL helps prevent engine knocking, thereby improving engine performance. TEL does not significantly affect the boiling point (B.P.) of petrol. Thus, the correct answer is (B) it increases the anti-knocking rating.

Quick Tip

TEL was used historically to improve the performance of petrol engines, but it is now largely replaced due to environmental concerns.

93. Which Carbon Compound is used as fire extinguisher ?

- (A) CS_2
- (B) CHCl_3
- (C) CH_3Cl

(D) CCl_4

Correct Answer : (D) CCl_4

Solution :

Carbon Tetrachloride (CCl_4) is used as a fire extinguisher, especially for certain types of fire (e.g., electrical fires). However, its use has declined due to its toxic and environmental effects.

Thus, the correct answer is (D) CCl_4 .

Quick Tip

While CCl_4 was once commonly used in fire extinguishers, it is no longer preferred due to its toxicity and environmental impact.

94. Supersonic Aircrafts discharge the following substance into the stratosphere :

- (A) SO_2
- (B) CO_2
- (C) NO_2
- (D) CO

Correct Answer : (B) CO_2

Solution :

Supersonic aircrafts, particularly those flying at high altitudes, release CO_2 into the stratosphere, which contributes to environmental concerns such as ozone layer depletion and climate change.

Thus, the correct answer is (B) CO_2 .

Quick Tip

CO_2 is a major greenhouse gas and can contribute to environmental issues such as global warming and ozone depletion.

95. When water is added to anhydrous white copper sulphate, the color will change to :

- (A) Yellow
- (B) Green
- (C) Blue
- (D) Red

Correct Answer : (C) Blue

Solution :

When water is added to anhydrous white copper sulphate (CuSO_4), it forms hydrated copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$), which is blue in color. This is a well-known chemical reaction that indicates the presence of water.

Thus, the correct answer is (C) Blue.

Quick Tip

The blue color of hydrated copper sulphate is a classic example of a physical change where the compound's color changes due to the absorption of water.

Section - V : Teaching-Learning Environment in Schools

96. Classroom problem-solving ability is developed by using which as feedback device ?

- (A) T-Group
- (B) Micro Teaching
- (C) Interaction Analysis
- (D) Simulation Technique

Correct Answer : (B) Micro Teaching

Solution :

Micro Teaching is a feedback device used to develop classroom problem-solving ability. It is a technique that allows teachers to practice and improve their teaching skills by focusing on specific teaching behaviors and receiving feedback. This method helps teachers in refining their teaching methods through short, focused lessons.

Thus, the correct answer is (B) Micro Teaching.

Quick Tip

Micro Teaching is an effective way to enhance teaching techniques and classroom management through structured feedback and practice.

97. The supporting system of teaching is :

- (A) Laboratory
- (B) Library
- (C) Both (A) and (B)
- (D) None of the above

Correct Answer : (C) Both (A) and (B)

Solution :

The supporting system of teaching includes both laboratories and libraries. Laboratories provide practical, hands-on experience in various subjects, while libraries offer resources and reference materials that aid in learning. Both are essential for a well-rounded educational system.

Thus, the correct answer is (C) Both (A) and (B).

Quick Tip

A comprehensive teaching system includes both practical and theoretical support, which is provided by laboratories and libraries.

98. Mastery learning strategy of teaching is designed by :

- (A) J.S. Bruner
- (B) Osborne
- (C) B.S. Skinner
- (D) B.S. Bloom

Correct Answer : (D) B.S. Bloom

Solution :

The Mastery Learning Strategy of teaching was designed by Benjamin S. Bloom. Bloom's approach emphasizes that all students can achieve mastery in a subject if given enough time and appropriate support, focusing on individual learning rates.

Thus, the correct answer is (D) B.S. Bloom.

Quick Tip

Bloom's Mastery Learning focuses on individualized teaching and ensures that every student reaches mastery before moving to the next level.

99. The norms for teachers are to be developed by :

- (A) U.G.C.
- (B) N.C.E.R.T.
- (C) N.C.T.E.
- (D) S.C.E.R.T.

Correct Answer : (C) N.C.T.E.

Solution :

The National Council for Teacher Education (NCTE) is responsible for developing norms for teachers in India. It is a statutory body that regulates teacher education and ensures quality standards in the field of teaching.

Thus, the correct answer is (C) N.C.T.E.

Quick Tip

NCTE plays a crucial role in setting standards for teacher education and ensuring the quality of teaching in India.

100. In the absence of ____ human personality does not develop.

- (A) Knowledge
- (B) Culture
- (C) Work
- (D) None of the above

Correct Answer : (B) Culture

Solution :

Human personality is greatly shaped by culture. The norms, traditions, and values of the society in which an individual lives play a crucial role in developing their personality. While knowledge and work are also important, culture forms the foundation of personal development.

Thus, the correct answer is (B) Culture.

Quick Tip

Cultural influences such as family values, social practices, and traditions help shape an individual's character and behavior.

101. Newspaper is a/an ____ agency.

- (A) Formal
- (B) Informal
- (C) Personal
- (D) None of the above

Correct Answer : (A) Formal

Solution :

A newspaper is a formal agency of communication, as it serves the purpose of disseminating news and information to the public. Newspapers are considered formal because they are institutions of media with editorial standards, journalistic ethics, and large-scale distribution.

Thus, the correct answer is (A) Formal.

Quick Tip

Newspapers are formal platforms of communication that ensure the public receives credible and timely news information.

102. ____ consider school as a miniature form of society.

- (A) Idealist
- (B) Naturalist
- (C) Pragmatist
- (D) Humanitarian

Correct Answer : (A) Idealist

Solution :

Idealists consider school to be a miniature form of society because they believe that education should reflect and prepare individuals for society's values, norms, and ethical principles. In their view, school is a small-scale replica of society where individuals are socialized to live within societal expectations.

Thus, the correct answer is (A) Idealist.

Quick Tip

Idealists believe that education should foster moral and ethical development and prepare students for their roles in society.

103. Who said that "Philosophy and Education are 'Two Sides of the same Coin' ?"

- (A) Dewey
- (B) Ross
- (C) Adams
- (D) Socrates

Correct Answer : (A) Dewey

Solution :

John Dewey, a renowned educational philosopher, is known for stating that "Philosophy and Education are 'Two Sides of

the same Coin'." He emphasized that education is an essential part of philosophy, as it forms the foundation for moral and intellectual development. For Dewey, education was both a philosophical and practical endeavor that shapes the individual and society.

Thus, the correct answer is (A) Dewey.

Quick Tip

Dewey's approach to education highlights the interplay between philosophical ideas and practical education, focusing on developing students' critical thinking and moral values.

104. The direct control of management is on :

- (A) State Bodies
- (B) Central Bodies
- (C) Both (A) and (B)
- (D) None of the above

Correct Answer : (C) Both (A) and (B)

Solution :

Direct control of management typically involves both state and central bodies in educational and organizational systems. Both levels of government are involved in overseeing and implementing management and governance at various levels. Thus, the correct answer is (C) Both (A) and (B).

Quick Tip

Effective management in educational systems requires cooperation between state and central bodies to ensure smooth operations.

105. Technique of teaching is :

- (A) Illustration
- (B) Exposition
- (C) Explanation
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

The techniques of teaching include illustration, exposition, and explanation, as all of these methods play a crucial role in effective teaching. Illustrations help clarify concepts, exposition allows for the broad explanation of topics, and explanation ensures that learners fully understand the subject matter.

Thus, the correct answer is (D) All of the above.

Quick Tip

In teaching, a variety of techniques can be used depending on the context to enhance understanding, such as illustrating concepts, expounding on theories, and explaining them in simpler terms.

106. Procedure of management of teaching-learning is :

- (A) Organizing
- (B) Planning
- (C) Controlling
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

The management of teaching-learning involves multiple procedures : organizing resources, planning lessons, and controlling the teaching process. These steps are all essential for effective teaching and learning. Organizing ensures that the necessary materials are available, planning sets objectives and methodologies, and controlling ensures the teaching process runs smoothly.

Thus, the correct answer is (D) All of the above.

Quick Tip

Effective teaching requires a balance of organizing, planning, and controlling to ensure that learning outcomes are achieved.

107. The main approach of Educational Management is :

- (A) Social Justice
- (B) Social Demand
- (C) Manpower Development
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

Educational Management is focused on achieving various goals, including social justice, responding to social demands, and promoting manpower development. Social justice ensures equal access to education, social demand focuses on meeting the needs of society through education, and manpower development ensures a skilled workforce for the future.

Thus, the correct answer is (D) All of the above.

Quick Tip

Educational management is about balancing societal needs, individual opportunities, and workforce development to ensure that education serves a comprehensive purpose.

108. Teacher's main task is to :

- (A) Understand his students
- (B) Mastery of his subject
- (C) Acquire teaching skills
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

A teacher's primary role involves understanding their students, mastering their subject area, and acquiring the necessary

teaching skills to deliver effective lessons. All of these tasks are equally important for a teacher to be successful and to provide quality education.
Thus, the correct answer is (D) All of the above.

Quick Tip

A well-rounded teacher excels in understanding their students, mastering content, and continuously improving their teaching techniques.

109. Children's error :

- (A) should be immediately corrected by asking them to do repeated practice
- (B) are a part of learning and give insight into their thinking
- (C) are insignificant in the teaching-learning process
- (D) reflect how careless children are

Correct Answer : (B) are a part of learning and give insight into their thinking

Solution :

Children's errors are a natural part of the learning process. When children make errors, it provides valuable insights into their thought processes, helping educators understand their understanding and guide them toward improvement. Errors are an opportunity for growth and reflection.

Thus, the correct answer is (B) are a part of learning and give insight into their thinking.

Quick Tip

Encourage students to learn from their errors, as they offer an excellent opportunity for critical thinking and problem-solving.

110. The method of teaching is to :

- (A) Impart information
- (B) Ask students to read books
- (C) Suggest good reference material
- (D) Initiate a discussion and participate in it

Correct Answer : (D) Initiate a discussion and participate in it

Solution :

The best method of teaching involves active participation and engagement. Initiating discussions and encouraging students to actively participate in them fosters deeper understanding and critical thinking. It transforms passive learning into an interactive and dynamic experience, leading to better retention and conceptual clarity.

Thus, the correct answer is (D) Initiate a discussion and participate in it.

Quick Tip

Active learning through discussions helps students engage with the material more meaningfully and strengthens their understanding.

111. An object in which no light rays can pass through is called :

- (A) Translucent
- (B) Transparent
- (C) Convex
- (D) Opaque

Correct Answer : (D) Opaque

Solution :

An opaque object does not allow light to pass through it. Unlike transparent objects (which allow light to pass through completely) or translucent objects (which allow only some light to pass through), opaque objects block all light from passing through.

Thus, the correct answer is (D) Opaque.

Quick Tip

Opaque objects prevent light from passing through, making them solid and impenetrable by light.

112. Environmental Studies curriculum may lead to holistic learning of children if it is :

- (A) Integrated
- (B) Inclusive
- (C) Thematic
- (D) All of the above

Correct Answer : (D) All of the above

Solution :

A holistic approach to environmental studies involves integrating various aspects of education. An integrated curriculum connects different subjects and helps children see the relationship between environmental topics and other areas. An inclusive approach ensures that all students, regardless of their background or abilities, can participate in learning. A thematic approach brings together different concepts under a common theme, helping students see the broader picture.

Thus, the correct answer is (D) All of the above.

Quick Tip

A comprehensive Environmental Studies curriculum should be integrated, inclusive, and thematic to promote holistic learning.

113. For an efficient and durable learning, learner should have :

- (A) Ability to learn only
- (B) Requisite level of motivation only
- (C) Opportunities to learn only
- (D) Desire level of ability and motivation

Correct Answer : (D) Desire level of ability and motivation

Solution :

For durable and effective learning, both ability and motivation are essential. A learner must have the ability to understand

and process the information, and they must also be motivated to engage with the content. Without both these factors, learning may be inefficient or short-lived.

Thus, the correct answer is (D) Desire level of ability and motivation.

Quick Tip

For efficient learning, it's important that the learner has both the ability to understand and the motivation to engage with the material.

114. Classroom communication must be :

- (A) Teacher-centric
- (B) Student-centric
- (C) General-centric
- (D) Textbook-centric

Correct Answer : (B) Student-centric

Solution :

Classroom communication should be focused on the students, meaning it should be student-centric. This approach ensures that the communication is tailored to the students' needs, interests, and learning styles. Teacher-centric communication often limits student involvement and interaction, whereas a student-centric approach fosters more active engagement and learning.

Thus, the correct answer is (B) Student-centric.

Quick Tip

For effective communication in classrooms, it is important that the focus is on the students' needs and learning experiences.

115. As a teacher, select the best option to ensure your effective presence in the classroom :

- (A) Uses of peer command
- (B) Making aggressive statement
- (C) Adoption of well-established posture
- (D) Being authoritarian

Correct Answer : (C) Adoption of well-established posture

Solution :

The adoption of a well-established posture is one of the most effective ways for a teacher to establish a commanding presence in the classroom. It reflects confidence, authority, and professionalism, which helps students engage more effectively. Aggressive statements or authoritarian behavior can create a negative environment, while peer command lacks the necessary leadership.

Thus, the correct answer is (C) Adoption of well-established posture.

Quick Tip

A confident and professional posture is key to projecting authority and ensuring an effective learning environment.

116. Which of the following is the longest source of water pollution in major rivers of India ?

- (A) Untreated sewage
- (B) Agriculture run-off
- (C) Unregulated small-scale industries
- (D) Religious practices

Correct Answer : (A) Untreated sewage

Solution :

Untreated sewage is one of the primary sources of water pollution in India. The discharge of untreated sewage into rivers significantly contaminates the water, making it unsafe for consumption and other uses. Agriculture runoff, unregulated industries, and religious practices also contribute to pollution, but untreated sewage remains the largest contributor. Thus, the correct answer is (A) Untreated sewage.

Quick Tip

Efforts to treat sewage before it enters rivers can significantly reduce water pollution and improve the quality of water sources.

117. Which of the following is not a prescribed level of teaching ?

- (A) Memory
- (B) Understanding
- (C) Reflective
- (D) Differentiation

Correct Answer : (D) Differentiation

Solution :

The prescribed levels of teaching generally include memory, understanding, and reflective teaching. These levels help facilitate deeper learning and critical thinking. Differentiation, while an important teaching strategy, is not specifically categorized as a level of teaching but rather as an approach used to address the diverse needs of learners. Thus, the correct answer is (D) Differentiation.

Quick Tip

Focus on enhancing memory, understanding, and reflection in teaching, as these are fundamental levels for effective learning.

118. The coastal State/Union Territory of Bay of Bengal is :

- (A) Odisha
- (B) Karnataka
- (C) Kerala
- (D) Telangana

Correct Answer : (A) Odisha

Solution :

Odisha is the coastal state along the Bay of Bengal. It is situated along the eastern coast of India, bordered by the Bay of Bengal to the east. Other states like Karnataka, Kerala, and Telangana do not have coastlines along the Bay of Bengal.

Thus, the correct answer is (A) Odisha.

Quick Tip

When considering coastal states, remember that Odisha is one of the primary states along the Bay of Bengal.

119. Learning is a process of development, where the individual has to make :

- (A) Efforts on his own
- (B) Contribution of parents
- (C) Contribution of teachers
- (D) None of the above

Correct Answer : (A) Efforts on his own

Solution :

Learning is fundamentally a self-driven process where the individual must take initiative and put in the necessary effort. While parents and teachers can support, the primary responsibility for learning lies with the individual. This is why the correct answer is "Efforts on his own."

Thus, the correct answer is (A) Efforts on his own.

Quick Tip

Remember, while support from others is helpful, the key to learning is the individual's own efforts and motivation.

120. What is the meaning of 'E' in UNESCO ?

- (A) Economic
- (B) Environment
- (C) Eastern
- (D) Educational

Correct Answer : (D) Educational

Solution :

The 'E' in UNESCO stands for 'Educational.' UNESCO stands for the United Nations Educational, Scientific and Cultural Organization. It is an agency of the United Nations aimed at promoting international collaboration in the fields of education, science, and culture.

Thus, the correct answer is (D) Educational.

Quick Tip

When thinking about UNESCO, remember that its primary focus is education, science, and culture at the international level.