



SECTION- 'A': LANGUAGE

1. Choose the correct spelling from the given option:

1. Sanction
2. Sanctian
3. Sancison
4. Sanccion

Answer: 1. Sanction

EXPLANATION: Sanctian, Sancison, and Sanccion are all incorrect spellings of "sanction." The correct spelling is "sanction," which means "to authorize or permit" or "to impose a penalty or restriction."

2. Choose the word opposite in meaning to the given word.

Forgiveness

1. Restore
2. Decline
3. Withdraw
4. Revenge

Answer: 4. Revenge

EXPLANATION: While all the options could be seen as opposing forgiveness in some way, revenge is the most direct opposite. It signifies the act of punishing someone for a wrong they have done, whereas forgiveness involves letting go of resentment and anger.

3. Choose the correct article from the given option.

He is ____ honest officer.

1. a
2. an
3. the
4. No error

Answer: 2. An

EXPLANATION: He is (an) honest man. It is because in the word honest (h) is silent, so we see (o) and o is vowel so we apply an with this.

4. Identify the tense of the following sentence:

The Sun sets in the West.

1. Present Indefinite
2. Past Indefinite
3. Future Indefinite
4. Present Perfect Tense

Answer: 1. Present Indefinite

EXPLANATION: The sentence describes a general habit or truth, using the base form of the verb "set" and the simple present tense marker "s."

5. Fill in the blank:

The ____ of these products ____ good.

1. quality, is
2. quality, are
3. quality, were
4. qualities, is

Answer: 1. quality, is

EXPLANATION: "Quality" is a singular noun, hence it takes the singular verb "is."



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Read the following passage carefully and answer the questions given below: Q. 6-10



It is believed that a pashmina shawl is as warm as six sweaters! It is very thin yet very warm. The goats from which the soft Pashmina wool is collected, are found on very high altitudes of 5000 metres. In winter, the temperature here drops below 0°C (-40°C). A coat of warm hair grows on the goat's body which protects it from extreme cold. The goats shed some of their hair (fur) in summer. This hair is so fine that six of these would be as thick as one hair of yours!

The fine hair cannot be woven, on machines and so weavers of Kashmir, make these shawls by hand. This is a long and difficult process. After almost 250 hours of weaving, one plain pashmina shawl is made. Imagine how long it would take to make a shawl with embroidery.

Choose the correct option to fill in the blank:

6. It is believed that a pashmina shawl is as warm as ____.

1. three sweaters!
2. six sweaters!
3. nine sweaters!
4. eleven sweaters!

Answer: 2.

7. Choose the correct statement:

1. The goats shed some of their hair (fur) in summer.
2. The goat shed some of their hair (fur) in winter.
3. The goat shed some of their hair (fur) in rainy season.
4. The goat shed some of their hair (fur) in spring.

Answer: 1.

8. Choose the correct option:

After almost _____ of weaving, one plain pashmina shawl is made.

1. 100 hours
2. 150 hours
3. 200 hours
4. 250 hours

Answer: 4.

9. "A coat of warm hair grows on the goat's body which protects it from extreme cold."

Identify the part of speech for 'hair' from the given sentence.

1. Verb
2. Noun
3. Pronoun
4. Adjective

Answer: 2.

EXPLANATION: "Hair" functions as the object of the preposition "of" in the sentence, making it a noun.

10. Choose the opposite of 'thick'.



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1. warn
2. soft
3. thin
4. fine

Answer: 3.

EXPLANATION: "Thin" is the direct opposite of "thick" in terms of density or measurement.

11. Identify the adjective from given options –

1. High
2. Found
3. Birds
4. Remains

Answer: 1. High

EXPLANATION: "High" modifies the noun "altitudes" in the passage, making it an adjective.

12. Fill in the blank with correct degree of Comparison:

I have — money in my pocket.

1. Not so more
2. More
3. Most
4. Many

Answer: 2. More

EXPLANATION: "More" is the appropriate comparative degree to indicate having a greater amount of money than usual.

13. Choose the word that is opposite of real_____.

1. Reward
2. Imaginary
3. Wise
4. Modern

Answer: 2. Imaginary

EXPLANATION: "Imaginary" is the opposite of "real," describing something that exists only in the mind or is not factual.

14. Choose the correct spelling-

1. Receive
2. Recieve
3. Rececve
4. Receive

Answer: 1. Receive

EXPLANATION: "Receive" is the correct spelling of the verb meaning to get or accept something.

15. Choose the correct option to improve the sentence and replace it with underlined word –

'Did there bus come on time?'

1. their
2. theirs
3. their's
4. No improvement

Answer: 1. their



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EXPLANATION: "There" is an adverb meaning that place, but it is also used as a pronoun introducing a clause or sentence. 'Their' is a possessive pronoun and it is often used as a possessive determiner in front of the nouns. In the given statement, "Their" is more apt to use as a determiner before the noun 'bus'.

16. Choose the correct option to improve the sentence.

'Ram left the house before. Shyam got there'.

1. will leave
2. leaves
3. had left
4. has left

Answer: 3. had left

EXPLANATION:

Since Ram's action happened before Shyam's, the past perfect tense "had left" is more appropriate than the present perfect "has left" to indicate earlier completion.

17. Fill in the blank with suitable question tag-

'I needn't ask him, ____?'

1. can I
2. am I
3. aren't I
4. need I

Answer: 4.

EXPLANATION: The positive statement requires a negative tag since Ram is confident about not needing to ask, making "need I" the logical question tag.

18. Complete the sentence with the correct form of verb –

The train____ suddenly.

1. is stop
2. stopped
3. was stopping
4. has stop

Answer: 2. stopped

EXPLANATION: Since the event happened in the past, the simple past tense "stopped" is appropriate to describe the sudden halt of the train.

19. Choose the sentence having intransitive verb.

1. Boys fly kites
2. Birds fly
3. Karim ran a race
4. He burnt his diary

Answer: 2. Birds fly

EXPLANATION: In this sentence, "fly" describes the action of birds without taking a direct object, making it an intransitive verb.

20. Fill in the blank with suitable conjunction.

I do not know ____ he has gone or not.

1. whether
2. if
3. through
4. yet



Answer: 1. whether

EXPLANATION: "Whether" introduces an indirect question to clarify the uncertainty about the speaker's knowledge of his departure.

21. Complete the sentence with suitable article –

Ram is ____ student whom we all expect to get less than 35% marks.

1. a
2. the
3. that
4. an

Answer: 1. a

22. Fill in the blank with correct preposition-

The speaker is going ____ the subject.

1. from
2. off
3. to
4. within

Answer: 2. off

EXPLANATION: "The speaker is going off the subject" suggests a deviation or departure from the main topic.

23. Fill in the blank with correct word.

'Akbar's army ____ castle of Chittorgarh'.

1. Cease
2. Seize
3. Seized
4. Sees

Answer: 3. Seized

EXPLANATION: "Seized" is the correct past tense form in this context.

24. Choose the correct meaning of "Beat the air" –

1. To make useless efforts
2. To be victorious
3. To be defeated
4. To defy

Answer: 1. To make useless efforts

EXPLANATION: "Beat the air" metaphorically represents making futile attempts with no meaningful outcome.

25. Choose the word opposite in meaning from the given option:

THREAT

1. MENACE
2. THOUGHTFUL
3. SAFETY
4. PROSPER

Answer: 3. SAFETY

EXPLANATION: Safety directly opposes the danger and fear implied by a threat.



SECTION- 'B': MATHEMATICS

26. $2.6 \text{ kg} + 3 \text{ kg } 700 \text{ g} =$ _____

1. 6 kg 300 g
2. 5.6 kg
3. 5 kg 300 g
4. 6.7 kg

Answer: 1

Explanation:

$$\begin{aligned} &\Rightarrow 2.6 \text{ kg} + 3 \text{ kg } 700 \text{ g} \\ &\Rightarrow 2600 \text{ g} + 3000 \text{ g} + 700 \text{ g} \\ &\Rightarrow 6300 \text{ g} \\ &\Rightarrow 6 \text{ kg } 300 \text{ g}. \end{aligned}$$

27. The side of a cube formed by melting a solid cuboid with dimension 3 cm X 8 cm X 9 cm is:

1. 6 cm
2. 4 cm
3. 3 cm
4. 5 cm

Answer: 1

Explanation:

$$\begin{aligned} \text{27)} \quad \text{Volume of cube} &= \text{Volume of cuboid (By given condition)} \\ &= 3 \text{ cm} \times 8 \text{ cm} \times 9 \text{ cm} \\ \text{Volume of cube} &= 216 \text{ cm}^3 \\ \Rightarrow \text{Side of cube} &= \sqrt[3]{216} = 6 \text{ cm} \end{aligned}$$

28. Eight small cubes each having edge 2 cm are arranged to form a large cube. The volume of the large cube (in cm^3) is:

1. 48
2. 60
3. 64
4. 72

Answer: 3

Explanation:



$$\begin{aligned}\text{Volume of each small cube} &= 2^3 \\ &= 8 \text{ cm}^3.\end{aligned}$$

$$\begin{aligned}\text{Volume of large cube} &= 8 \text{ cubes} \times \text{Volume of small cubes} \\ &= 8 \times 8 \\ &= 64 \text{ cm}^3\end{aligned}$$

29. If the cost of 420 oranges is ₹ 2,520 then the cost of 8 dozen oranges, is:

1. 480
2. 528
3. 540
4. 576

Answer: 4

Explanation:

<u>Oranges</u>	<u>Cost</u>
420	₹ 2520
8 dozen = 8 × 12	?

$$\begin{aligned}\therefore \text{The cost of 8 dozen oranges} \\ &= \frac{96 \times 2520}{420} \\ &= ₹ 576\end{aligned}$$

30. If 16 bags cost ₹ 1,520, then the cost of 3 bags will be:

1. ₹ 240
2. ₹ 255
3. ₹ 270
4. ₹ 285

Answer: 4

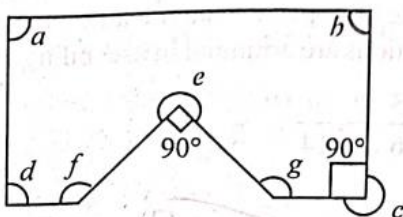
Explanation:

30)

<u>Bags</u>	<u>Cost</u>
16	₹ 1520
3	?

$$\begin{aligned}\text{The cost of 3 bags} &= \frac{1520 \times 3}{16} \\ &= ₹ 285\end{aligned}$$

31.





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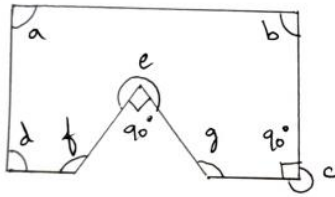
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Which of the angles in the given figure is / are equal to three right angles?

1. $\angle e$ and $\angle c$ only
2. $\angle c$ only
3. $\angle e$ only
4. $\angle e$, $\angle c$, $\angle f$ and $\angle g$ only

Answer: 1

Explanation:



$$\begin{aligned}\text{Three right angles} &= 3 \times 90 \\ &= 270\end{aligned}$$

$$\angle c = 360^\circ - 90^\circ = 270^\circ$$

$$\angle e = 360^\circ - 90^\circ = 270^\circ$$

$\therefore \angle e$ and $\angle c$ only are equal to three right angles.

32. Name the type of an angle whose measure is 26° more than the difference between the angles 146° and 82° .

1. Acute angle
2. Obtuse angle
3. Right angle
4. Reflex angle

Answer: 3

Explanation:

$$\begin{aligned}32) \quad \text{Angle} &= 26 + (146 - 82) \\ &= 26 + 64\end{aligned}$$

$$\text{Angle} = 90^\circ$$

$\therefore$ Right angle.

33. Two angles of a triangle are 40° and 50° , respectively. Name the triangle based on sides and angles.

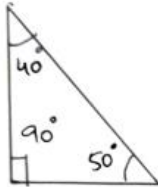
1. Scalene and acute angled triangle
2. Scalene and right-angled triangle
3. Isosceles and obtuse angled triangle
4. Scalene and obtuse angled triangle

Answer: 2



Explanation:

33)



Sum of angles in a triangle = 180°

All the three angles are unequal,

$\therefore$ All the three sides are unequal

$\Rightarrow$ It is a Scalene triangle.

Since, it has an angle of 90° ,

The triangle is right triangle.

(ie) Scalene and right angled triangle.

34. Which of the following fractions will be at the third place from the left, when these fractions are arranged in ascending order?

$\frac{2}{3}, \frac{5}{6}, \frac{7}{8}, \frac{9}{14}$

1. $\frac{2}{3}$

2. $\frac{5}{6}$

3. $\frac{7}{8}$

4. $\frac{9}{14}$

Answer: 2

Explanation:



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34) LCM of denominators

$$= \text{LCM} (3, 6, 8, 14)$$

$$= 168$$

$$\frac{2}{3}, \frac{5}{6}, \frac{7}{8}, \frac{9}{14}$$

$$\frac{2 \times 56}{168}, \frac{5 \times 28}{168}, \frac{7 \times 24}{168}, \frac{9 \times 12}{168}$$

$$\frac{112}{168}, \frac{140}{168}, \frac{168}{168}, \frac{108}{168}$$

Ascending order:

$$\frac{108}{168}, \frac{112}{168}, \frac{140}{168}, \frac{168}{168}$$

$$\frac{9}{14}, \frac{2}{3}, \frac{5}{6}, \frac{7}{8}$$

Fraction at the 3rd place from left is $\frac{5}{6}$.

35. Arrange the fractions $\frac{2}{9}, \frac{2}{5}, \frac{2}{11}, \frac{2}{7}$ descending order:

1. $\frac{2}{11}, \frac{2}{7}, \frac{2}{9}, \frac{2}{5}$

2. $\frac{2}{5}, \frac{2}{7}, \frac{2}{9}, \frac{2}{11}$

3. $\frac{2}{9}, \frac{2}{5}, \frac{2}{11}, \frac{2}{7}$

4. $\frac{2}{11}, \frac{2}{9}, \frac{2}{7}, \frac{2}{5}$

Answer: 2

Explanation:



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35) $\frac{2}{9}, \frac{2}{5}, \frac{2}{11}, \frac{2}{7}$

When the numerators are equal, then

If the denominator is greater, the fraction is lesser.

If the denominator is lesser, the fraction is greater.

$$\frac{2}{5} > \frac{2}{7} > \frac{2}{9} > \frac{2}{11}$$

Descending order : $\frac{2}{5}, \frac{2}{7}, \frac{2}{9}, \frac{2}{11}$

36. The largest among the fractions $\frac{5}{9}, \frac{4}{11}, \frac{7}{12}$ and $\frac{6}{13}$

1. $\frac{5}{9}$
2. $\frac{4}{11}$
3. $\frac{7}{12}$
4. $\frac{6}{13}$

Answer: 3

Explanation:

36) $\frac{5}{9} = 0.55$

$$\frac{4}{11} = 0.36$$

$$\frac{7}{12} = 0.58$$

$$\frac{6}{13} = 0.46$$

The largest among fractions is $\frac{7}{12}$.

37. What should be added to $\frac{5}{13}$ to get $\frac{13}{5}$?

1. $\frac{1}{65}$
2. $\frac{1}{36}$
3. $\frac{144}{65}$
4. $\frac{9}{17}$

Answer: 3

Explanation:



$$37) \quad n + \frac{5}{13} = \frac{13}{5}$$

$$\Rightarrow n = \frac{13}{5} - \frac{5}{13}$$

$$\Rightarrow n = \frac{169 - 25}{65}$$

$$\Rightarrow n = \frac{144}{65} \text{ is the number to be added}$$

38. Three cloth pieces of length 7 m, 7.5 m and 9.5 m respectively are cut in pieces of identical maximum length. The length of each small piece (in cm), is:

1. 25
2. 30
3. 40
4. 50

Answer: 4

Explanation:

$$\begin{aligned} 38) \quad & \text{HCF (7m, 7.5m, 9.5m)} \\ &= \text{HCF (700cm, 750cm, 950cm)} \\ &= \text{HCF ((10 \times 5 \times 12), (10 \times 15 \times 5), (10 \times 5 \times 19))} \\ &= 10 \times 5 \\ &= 50 \end{aligned}$$

39. The LCM and HCF of two numbers are 150 and 25, respectively. If one of the numbers is 75, then the other number is:

1. 29
2. 32
3. 40
4. 50

Answer: 4

Explanation:



39) Formula: $LCM \times HCF = \text{Product of two numbers}$

$$\Rightarrow 150 \times 25 = 75 \times n$$

$$\Rightarrow n = \frac{150 \times 25}{75}$$

$$\Rightarrow n = 50$$

$\therefore$ The other number is 50

40. A shopkeeper bought a table and a chair for ₹ 1,900 and ₹ 600, respectively. He sold both the items to Ankit with 15% profit. How much Ankit paid for the table and the chair?

1. ₹ 2,515
2. ₹ 2,590
3. ₹ 2,785
4. ₹ 2,875

Answer: 4

Explanation:

$$40) \text{ C.P of table \& chair} = 1900 + 600 = 2500$$

$$\text{Profit} = 15\%$$

$$\therefore \text{S.P} = \left(1 + \frac{15}{100}\right) \text{C.P}$$

$$\Rightarrow \text{S.P} = \frac{115}{100} (2500)$$

$$\Rightarrow \text{S.P} = 2875$$

Ankit paid ₹ 2875 for the table and the chair.

41. In an examination Divya scored 340 marks out of 400 marks. The percentage of marks, she scored is:

1. 60%
2. 76%
3. 80%
4. 85%

Answer: 4

Explanation:

$$41) \therefore x\% \text{ of } 400 = 340$$

$$\Rightarrow \frac{x}{100} (400) = 340$$

$$\Rightarrow x = \frac{340}{4}$$

$$\Rightarrow x = 85\%$$



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42. The number whose 20% is equal to 10, is:

1. 30
2. 40
3. 50
4. 56

Answer: 3

Explanation:

$$\begin{aligned} 42) \quad & 20\% \text{ of } n = 10 \\ \Rightarrow & \frac{20}{100} (n) = 10 \\ \Rightarrow & n = 50 \end{aligned}$$

43. If 46% of a number is 115, then what is 150% of the number?

1. 300
2. 275
3. 415
4. 375

Answer: 4

Explanation:

$$\begin{aligned} 43) \quad & 46\% \text{ of } n = 115 \\ & \frac{46}{100} (n) = 115 \\ \Rightarrow & n = 250 \\ \therefore 150\% \text{ of } n &= \frac{150}{100} (250) = 375 \end{aligned}$$

44. A metallic rod was heated to a temperature of 120°C. Later, its temperature reduced by 34°C and then its temperature was raised by 45°C. What is the present temperature of the rod?

1. 165° C
2. 154° C
3. 131° C
4. 79° C

Answer: 3

Explanation:

$$\begin{aligned} 44) \quad & 120^\circ\text{C} - 34^\circ\text{C} + 45^\circ\text{C} \\ & = 131^\circ\text{C} \end{aligned}$$

45. A vessel is heated to a temperature of 62° C. The temperature of the vessel in degree Fahrenheit is:

1. 143.6° F
2. 94° F
3. 66.4° F



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4. 30° F

Answer: 1

Explanation:

45) Formula : $F = \frac{9C}{5} + 32$

$$F = \frac{9}{5} (62) + 32$$

$$\Rightarrow F = \frac{558}{5} + 32$$

$$\Rightarrow F = 111.6 + 32$$

$$\Rightarrow F = 143.6$$

46. Match List-I with List-II:

List I

- A. Half of a circle
- B. Half of the longest Chord of a circle
- C. The line segment which Divides a circle in two equal parts
- D. All diameters of a circle intersect At a point

List II

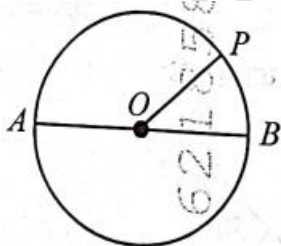
- I. Diameter
- II. Centre of circle
- III. Semi-circle
- IV. Radius

Choose the correct option from the below:

- 1. A-III, B-I, C-II, D-IV
- 2. A-III, B-IV, C-I, D-II
- 3. A-II, B-III, C-IV, D-I
- 4. A-IV, B-III, C-II, D-I

Answer: 2

47.



In the given figure O is the centre of the circle. If AB = 8 cm then the length of OP is:

- 1. 6 cm
- 2. 4 cm
- 3. 3 cm
- 4. 5 cm



Answer: 2

Explanation:

$$\begin{aligned} 47) \quad AB &= 8 \text{ cm (diameter)} \\ OP &= \frac{AB}{2} \quad \left(\text{Radius} = \frac{\text{Diameter}}{2} \right) \\ \Rightarrow OP &= 4 \text{ cm} \end{aligned}$$

48. Jaspal purchased an old car for ₹ 1,18,000 and spent ₹ 7,000 on its maintenance. If he sold the car for ₹ 1,40,000, then his profit percentage is:

1. 10%
2. 11%
3. 12%
4. 12.5%

Answer: 3

Explanation:

$$\begin{aligned} 48) \quad \text{C.P} &= 1,18,000 + 7,000 = 1,25,000 \\ \text{S.P} &= 1,40,000 \\ \text{Profit \%} &= \frac{\text{Profit}}{\text{C.P}} \times 100 \\ &= \frac{15,000}{1,25,000} \times 100 \\ &= \frac{15}{125} \times 100 \\ &= 12\% \end{aligned}$$

49. The supplementary angle of the complementary angle of one tenth of a right angle will be:

1. 99°
2. 88°
3. 81°
4. 101°

Answer: 1

Explanation:

$$\begin{aligned} 49) \quad 180 - \left[90 - \frac{1}{10}(90) \right] &= 180 - (90 - 9) \\ &= 180 - 81 \\ &= 99^\circ \end{aligned}$$

50. The supplementary angle of three times of the half of a right angle is:

A. Acute angle



B. Obtuse angle

C. Right angle

D. Half of a right angle

1. Only A
2. Only C
3. Only A and D
4. Only B and C

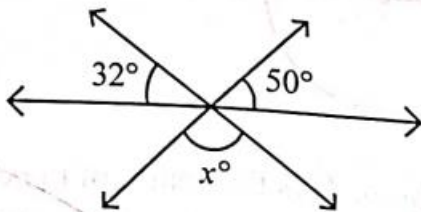
Answer: 3

Explanation:

50)

$$180 - \left[3 \times \left(\frac{90}{2} \right) \right]$$
$$= 180 - (3 \times 45)$$
$$= 180 - 135$$
$$= 45^\circ \rightarrow \text{Acute angle \& Half of a right angle.}$$

51. In the given figure, the value of x is



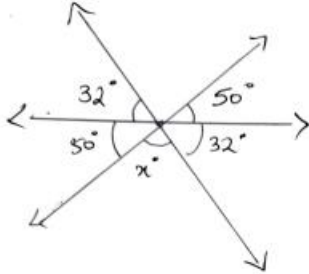
1. 82
2. 90
3. 100
4. 98

Answer: 4

Explanation:



51)



Vertically opposite angles are equal

Straight angle = 180°

$$\Rightarrow 50^\circ + x^\circ + 32^\circ = 180^\circ$$

$$\Rightarrow x^\circ + 82^\circ = 180^\circ$$

$$\Rightarrow x^\circ = 98^\circ$$

52. The sum of the greatest 4-digit number and the smallest 3-digit number is:

1. 10000
2. 10110
3. 10099
4. 10999

Answer: 3

Explanation:

52) Greatest 4-digit = 9999

Smallest 3-digit = 100

$$\text{Sum} = 10099$$

53. The difference between the greatest and the smallest 5-digit numbers formed using the digits 0, 2, 5, 3 and 1, is:

1. 45555
2. 44444
3. 43205
4. 42975

Answer: 4

Explanation:

53) Greatest 5-digit number = 53210

Smallest 5-digit number = 10235

$$\begin{aligned} \text{Difference} &= 53210 - 10235 \\ &= 42975 \end{aligned}$$



54. Which of the following numbers is divisible by 3?

1. 518932
2. 117342
3. 213454
4. 337625

Answer: 2

Explanation:

54) Divisibility rule of 3: If the sum of the digits of the number is divisible by 3, then the number is divisible by 3.

$$117342 = 1+1+7+3+4+2 = 18 \text{ is divisible by } 3$$

$\Rightarrow 117342$ is divisible by 3.

55. $144 \div 9 \times 2 + 6 - 4 =$ _____

1. 10
2. 2
3. 34
4. 64

Answer: 3

Explanation:

$$\begin{aligned} 55) (144 \div 9) \times 2 + 6 - 4 \\ = (16 \times 2) + 6 - 4 \\ = 32 + 2 \\ = 34 \end{aligned}$$

56. Jayesh and Mohan started a business by investing ₹ 28,000 and ₹ 35,000, respectively. At the end of the year Mohan received ₹ 6,250 as his share in the profit. The total profit in the business, is:

1. ₹ 9,200
2. ₹ 10,000
3. ₹ 11,250
4. ₹ 12,250

Answer: 3

Explanation:



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56) Jayesh : Mohan = 28000 : 35000 (Investment)

Jayesh : Mohan = 4 : 5 = 4x : 5x

Profit received by Mohan = ₹ 6250

$\Rightarrow 5x = 6250$

$\Rightarrow x = 1250$

$\therefore$ Profit received by Jayesh = 4x = 4(1250)

4x = 5000

Total profit = 4x + 5x

= 9x

= 9(1250)

= ₹ 11,250

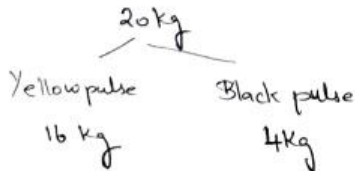
57. In a 20 kg mixture of yellow pulse and black pulse, there is 4 kg black pulse. The ratio of black pulse and yellow pulse in the mixture, is:

1. 1:5
2. 1:4
3. 4:15
4. 1:6

Answer: 2

Explanation:

57)



Ratio, Black Pulse : Yellow Pulse

= 4 : 16

= 1 : 4

58. Joseph borrowed ₹ 25,000 on simple interest at the rate of 6% per annum for 4 years. How much did he pay at the end of 4 years?

1. ₹ 30,000
2. ₹ 31,000
3. ₹ 31,800
4. ₹ 31,920

Answer: 2

Explanation:



58) .
$$S.I = \frac{P \times r \times t}{100}$$
$$= \frac{(25000)(4)(6)}{100}$$

$$S.I = 6000$$

$$\text{Amount} = P + S.I$$
$$= 25000 + 6000$$

$$\text{Amount} = ₹ 31,000$$

59. In how many years will a sum of ₹ 1,800 become ₹ 2,610 on simple interest at the rate of 9% per annum?

1. 4
2. 5
3. 6
4. $4\frac{1}{2}$

Answer: 2

Explanation:

59)
$$P = ₹ 1800$$
$$A = ₹ 2610$$
$$r = 9\%$$
$$n = ?$$

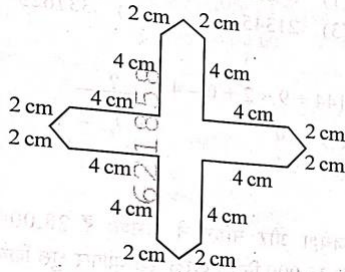
$$S.I = A - P = 2610 - 1800 = ₹ 810$$

$$n = \frac{S.I \times 100}{r \times P}$$
$$= \frac{810 \times 100}{9 \times 1800}$$
$$= \frac{90}{18}$$

$$n = 5 \text{ years}$$



60. The perimeter of the given figure, is:



1. 32 cm
2. 40 cm
3. 48 cm
4. 52 cm

Answer: 3

Explanation:

$$\begin{aligned} \text{60) Perimeter} &= (8 \times 2) + (8 \times 4) \\ &= 16 + 32 \\ &= 48 \text{ cm} \end{aligned}$$

61. Pinky runs around a square field of side 50 m and takes 6 rounds. Shruti runs around a rectangular field of length 160m and breadth 120m and takes 2 rounds. Who covers more distance and how much more (in m)?

1. Shruti, 80m
2. Pinky, 80m
3. Shruti, 65m
4. Pinky, 40m

Answer: 2

Explanation:



61) Distance covered by Pinky

$$= (4 \times 50) \text{ m} \times 6 \text{ rounds}$$

$$= 200 \text{ m} \times 6 \text{ rounds}$$

$$= 1200 \text{ m}$$

Distance covered by Shreya

$$= 2 (160 + 120) \text{ m} \times 2 \text{ rounds}$$

$$= 2 (280) \text{ m} \times 2 \text{ rounds}$$

$$= 1120 \text{ m}$$

Pinky covers more distance by 80 m.

62. If the average of numbers 12, 15, 19, k and (k+5) is 13, then the value of k, is:

1. 3
2. 5
3. 7
4. 13.5

Answer: 3

Explanation:

$$62) \frac{12 + 15 + 19 + k + (k+5)}{5} = 13$$

$$\Rightarrow 51 + 2k = 65$$

$$\Rightarrow 2k = 14$$

$$\Rightarrow \boxed{k = 7}$$

63. The average weight of five friends weighing 48 kg, 50 kg, 53 kg, 55 kg and 49 kg, is:

1. 50 kg
2. 51 kg
3. 52 kg
4. 53 kg

Answer: 2

Explanation:



63) Average weight = $\frac{48 + 50 + 53 + 55 + 49}{5}$
 $= \frac{255}{5}$
 $= 51 \text{ kg}$

64. Read the given statements and choose the correct option:

Statement – I: Two distinct lines can intersect in more than one point.

Statement – II: More than two lines can pass through one point.

1. Only statement I is true
2. Only statement II is true
3. Both the statements are true
4. Both the statements are false

Answer: 2

Explanation:

64) Statement - I is false
Statement - II is true

65. If $x = 30$ and $y = 120$, then value of $16 \left(\frac{x}{y} + 5 \right) + 1$ is:

1. 85
2. 84
3. 21
4. 117

Answer: 1

Explanation:

65) $16 \left(\frac{x}{y} + 5 \right) + 1$
 $= 16 \left(\frac{30}{120} + 5 \right) + 1$
 $= 16 \left(\frac{1}{4} + 5 \right) + 1$
 $= 16 \left(\frac{21}{4} \right) + 1$
 $= 84 + 1$
 $= 85$

66. The decimal form of fraction $\frac{5}{8}$, is:

1. 0.58
2. 0.62
3. 0.625
4. 0.652



Answer: 3

Explanation:

$$\frac{5}{8} = 0.625$$

67. The sum of all prime number, less than 21, is:

1. 77
2. 67
3. 41
4. 48

Answer: 1

Explanation:

Sum of all prime number less than 21

$$\Rightarrow 2 + 3 + 5 + 7 + 11 + 13 + 17 + 19$$

$$\Rightarrow 77$$

68. Which of the following statements are NOT correct?

- A. Composite numbers are always even.
- B. Prime numbers are always odd.
- C. Sum of two prime numbers is always prime.
- D. Product of two composite numbers is always composite.

1. A and D only
2. B and C only
3. A, B and C only
4. A, B, C and D

Answer: 3

Explanation:

Statements A, B, C are not correct

Statement D is correct

69. A party was given to 30 children. Pizzas, Burgers and Cold drinks were bought for ₹ 450, ₹ 300 and ₹ 270, respectively. Everything was shared equally among 30 children. The cost of items given to each child was:



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1. ₹ 30
2. ₹ 32
3. ₹ 34
4. ₹ 35

Answer: 3

Explanation:

$$69) \quad \text{HCF} (450, 300, 270) = 30$$

$$450 = 30 \times 15$$

$$300 = 30 \times 10$$

$$270 = 30 \times 9$$

Cost of items given to each child

$$= 15 + 10 + 9$$

$$= ₹ 34$$

70. What should be subtracted from the sum of 3509 and 2165 to get 4009?

1. 3580
2. 3530
3. 2665
4. 1665

Answer: 4

Explanation:

$$70) \quad (3509 + 2165) - n = 4009$$

$$\Rightarrow 5674 - n = 4009$$

$$\Rightarrow n = 1665$$

71. Which of the following is the correct representations, using Roman Numerals of the number 199?

1. ICC
2. CLXXXIX
3. CXCIX
4. ICCCD

Answer: 3

Explanation:



$$\begin{aligned} 71) \quad 199 &= 100 + 90 + 9 \\ &= C + XC + IX \\ &= CXCIX \end{aligned}$$

72. A number written using Roman Numerals (XXI - XV) - VI + MCLXXIII is equal to

1. MCLXXIII
2. MCLXVII
3. MCL
4. MCXLIII

Answer: 1

Explanation:

$$\begin{aligned} 72) \quad (XXI - XV) - VI + MCLXXIII \\ &= 21 - 15 - 6 + MCLXXIII \\ &= 6 - 6 + MCLXXIII \\ &= MCLXXIII \end{aligned}$$

73. Harish drives his car at a speed of 45 km/hour. How much time (in minutes) will he take to drive 12 km?

1. 9
2. 12
3. 16
4. 20

Answer: 3

Explanation:

$$\begin{array}{ccc} 73) & \text{Km} & \text{Time (in minutes)} \\ & 45 & \longrightarrow 60 \\ & 12 & \xrightarrow{\text{X}} ? \end{array}$$

$\Rightarrow$ Harish drives the car of distance 12 km in

$$\frac{60 \times 12}{45} = 16 \text{ minutes}$$



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74. Raman covers a distance of 24 km in 40 minutes. If he increases his speed by 4 km/hour, then how much time (in minutes) will he take to cover the same distance?

1. 28
2. 32
3. 36
4. 38

Answer: 3

Explanation:

$$74) S_1 = \frac{24}{(40/60)} = 36 \text{ km/hr}$$

$$S_2 = (36+4) \text{ km/hr} = 40 \text{ km/hr}$$

$$t = \frac{d}{S_2} = \frac{24}{40} \text{ hrs} = \frac{24}{40} \times 60 \text{ minutes} = 36 \text{ minutes}$$

75. Amrita went to a market for purchasing stationery items for her son. She carried ₹ 500 with her. She paid ₹ 135.50 for the notebooks, ₹ 30.50 for pens, ₹ 3.75 for erasers, ₹ 48 for a box of colors and ₹ 142 for a Geometry box. How much money is left with her?

1. ₹ 132.25
2. ₹ 142
3. ₹ 140.25
4. ₹ 145.75

Answer: 3

Explanation:

$$500 - 135.50 - 30.50 - 3.75 - 48 - 142 = \text{Rs. } 140.25$$

SECTION- 'C': INTELLIGENCE

76. Arrange the following in top to bottom order:

- (A) Hand
- (B) Face
- (C) Heel
- (D) Knee
- (E) Neck

Choose the correct option from the following:

1. (E), (B), (A), (D), (C)
2. (B), (E), (A), (D), (C)
3. (B), (E), (A), (C), (D)
4. (B), (E), (C), (A), (D)

Answer: 2

Explanation:



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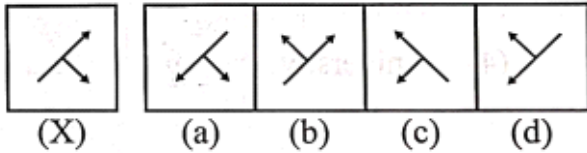
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- B. Face
- E. Neck
- A. Hand
- D. Knee
- C. Heel.

Answer = 2

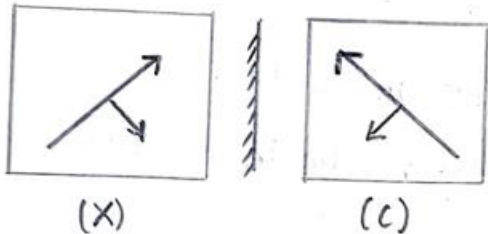
77. Choose the correct mirror image of the figure (X):



1. a
2. b
3. c
4. d

Answer: 3

Explanation:



Answer = 3

78. Find the missing term in the following series:

HFD, NLJ, TRP, ?

1. YWV
2. ZXV
3. ZYW
4. ZYV

Answer: 2

Explanation:



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HFD, N^LJ, TRP, ?

→ $H + b = N$ $N + b = T$ $T + b = Z$
→ $F + b = L$ $L + b = R$ $R + b = X$
→ $D + b = J$ $J + b = P$ $P + b = V$

So that → Z X V Answer = 2

79. Find the missing number of the series: 0, 3, ?, 15, 24

1. 2
2. 8
3. 4
4. 13

Answer: 2

Explanation:

0 + 3 = 3 They are adding odd numbers.
3 + 5 = 8
8 + 7 = 15
15 + 9 = 24 Answer = 2.

80. There is a certain relationship between two given words on left side of (:). Choose the correct alternative for the missing term using the same relationship.

Clock: Time :: Thermometer: ?

1. Heat
2. Radiation
3. Temperature
4. Energy

Answer: 3

Explanation:

A clock is used to show time. Similarly "Thermometer" used to measure a "Temperature".
Answer = 3

81. Complete the following analogy:

C:3::L:?

1. 5



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2. 8
3. 2
4. 12

Answer: 4

Explanation:

"C" is the third letter of alphabet
Therefore, "L" is the "12" of the alphabet.
Answer = 4

82. Complete the analogy:

Lion: Den :: Horse :

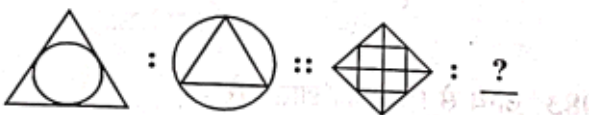
1. Byre
2. Stable
3. Barn
4. Burrow

Answer: 2

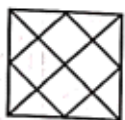
Explanation:

A lion typically resides in a "Den"
Similarly horse typically resides in a "stable"
Answer = 2

83. complete the pattern:



1.



2.



3.



4.

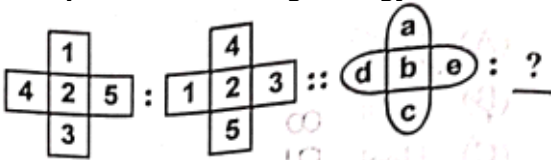
Answer: 4

Explanation:

As per the pattern of first pair, Both the images will change the position as well as Smaller one will become big, bigger one will become small

Answer = 4

84. Complete the following analogy



1.



2.



3.



4.

Answer: 2



Explanation:

As per the pattern the vertical letters will become horizontal, horizontal will become vertical, the centre symbol will remain. Answer = 2

85. Choose the odd one out:

1. School
2. College
3. Hotel
4. University

Answer: 3

Explanation:

The odd one out is "Hotel" because it is not an educational institution like the others.

Answer = 3

86. Complete the following analogy:

STAR : ATRS :: PLAN : ?

1. ALNP
2. ANLP
3. ANPL
4. LANP

Answer: 1

Explanation:



If we rearrange the letters in "STAR" we get "ARTS"
Applying the same pattern "PLAN" we get "ALNP"
Answer = 1

87. Find the missing number of the given series? 2, 5, 10, ?, 26

1. 24
2. 19
3. 17
4. 23

Answer: 3

Explanation:

$$2 + 3 = 5$$

$$5 + 5 = 10$$

$$10 + 7 = 17$$

$$17 + 9 = 26$$

They are adding odd numbers to
given number so that "17" is answer.

Answer = 3

88. Complete the following analogy

BDA : 7 : CAB : ?.

1. 3
2. 6
3. 5
4. 9

Answer: 2

Explanation:



If we look at the positions of the letters in the alphabet:

B $\rightarrow$ 2 D $\rightarrow$ 4 A $\rightarrow$ 1

$$(2+4)+1 = 7$$

Similarly

C $\rightarrow$ 3 A $\rightarrow$ 1 B $\rightarrow$ 2

$$(3+1)+2 = 6$$

Answer = 2

89. Find the odd one out:

1. Summer
2. Winter
3. Season
4. Spring

Answer: 3

Explanation:

Summer, winter, spring represent specific seasons while "Season" is general term.

Answer = 3

90. Find the odd

one out:

1. 121
2. 135
3. 99
4. 143

Answer: 2

Explanation:



except "135" rest of them are.

$$11 \times 11 = 121$$
$$9 \times 9 = 81$$
$$13 \times 11 = 143$$

Answer = 2

91. Choose the odd one out:

1. BEIK
2. CEGI
3. ACEG
4. BDFH

Answer: 1

Explanation:

"BEIK" doesn't have the proper pattern, rest of them have +2 alphabet.

Answer = 1

92. Find the odd one out:

1. 
2. 
3. 
4. 

Answer: 3

Explanation:



Except "3" rest of them having only one
Image "3" has 2 image

Answer = 3

93. Arrange the following in the ascending order.

- (A) Year
- (B) Month
- (C) Century
- (D) Week
- (E) Day

Choose the correct option from those given below:

1. (D), (E), (B), (A), (C)
2. (E), (B), (D), (A), (C)
3. (E), (D), (B), (A), (C)
4. (E), (D), (A), (C), (B)

Answer: 3

Explanation:

Ascending order:

Day
Week
Month
year
century

Answer = 3

94. Arrange the following words as they occur in the dictionary:

- (A) LETTER
- (B) LITTER
- (C) LEMON
- (D) LITTLE
- (E) LIZARD

Choose the correct option from the following:



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1. (C), (A), (D), (E), (B)
2. (C), (D), (A), (B), (E)
3. (C), (A), (B), (D), (E)
4. (A), (C), (B), (D), (E)

Answer: 3

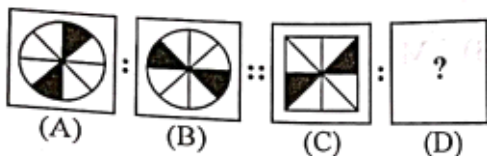
Explanation:

As per dictionary order:

Lemon, Letter, Litter, Little, Lizard.

Answer = 3

95. Figures A and B are related in a particular manner. Establish the same relationship between figure (C) and (D) by choosing a figure from the alternatives, which replaces the question mark (?).



1.



2.



3.



4.



Answer: 3

Explanation:

As per the pattern the dark part rotates 90°
so that "3" is answer

Answer = 3

96. Which of the following shapes is a part of the given figure?



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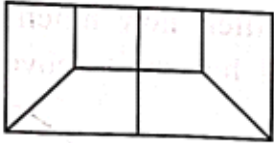
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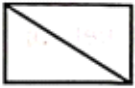
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1.



2.



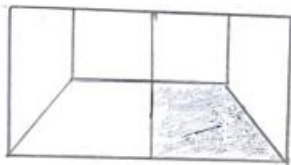
3.



4.

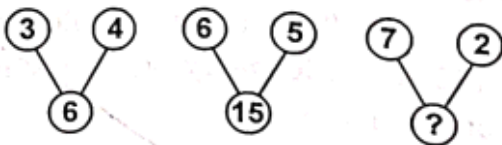
Answer: 2

Explanation:



Answer = 2

97. Which number replaces the question mark?



1. 8

2. 7

3. 9

4. 14

Answer: 2

Explanation:



From the given pattern

$$\frac{3 \times 4}{2} = 6$$

$$\frac{6 \times 5}{2} = 15$$

so that

$$\frac{7 \times 2}{2} = 7$$

Answer = 2.

98. Find the missing term in the following series:

abc, abcc, abbcc, ?, aabbccc, aabbcccc.

1. abbcca
2. aabbcc
3. aabcc
4. aabbcc

Answer: 4

Explanation:

As per pattern.

abc : Starts with single letter a, b, c

abcc : c repeats again.

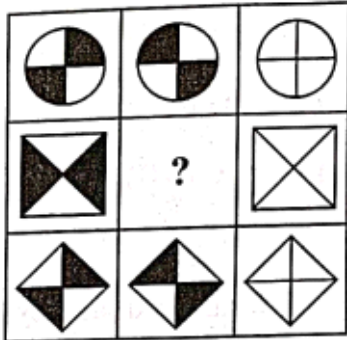
abbcc : "b" repeats again.

So that:

Here "a" repeats again

Answer = 4

99. Select the correct figure which will complete the given grid



- 1.
- 2.
- 3.
- 4.

Answer: 2

Explanation:

From the given figure the shaded part will interchange their position from 1st box to 2nd box the same pattern applies to the next row

Answer = 2

100. Complete the analogy:

Cricket: Bat :: Hockey : ?.

1. Field
2. Stick
3. Player
4. Ball

Answer: 2



Explanation:

Cricket players will use bat
Similarity "Hockey" players will use "Hockey stick"

Answer : 2

SECTION- 'D': GENERAL KNOWLEDGE

101. Who is the author of the famous work, 'The Man-eater of Malgudi'?

1. Rabindranath Tagore
2. Ruskin Bond
3. RK. Nayan
4. GV.Desani

Answer: 3

EXPLANATION: The Man-Eater of Malgudi is a 1961 Indian novel, written by R. K. Narayan. In this novel R.K.Narayan uses the historical reference of Bhasmasura.

102. A Khunti is __

1. An implement used to dig the soil
2. An iron pole to tie cattle
3. An earthen pot to cook food
4. A musical instrument

Answer: 1

EXPLANATION:

- Khunti is an iron rod to dig the soil, loosen it and make it soft.
- It is called a khurpi in north India.
- In south Indian states, it is called a Khunti.

103. You put a glass of water in the sun. After 2 days, the glass is empty. Where did the water go?

1. It evaporated
2. It condensed
3. It froze
4. It turned into nitrogen

Answer: 1

EXPLANATION: The liquid water is not actually vanishing—it is evaporating into a gas, called water vapour. Evaporation happens when a liquid substance becomes a gas.

104. Best friend of soil is:

1. Birds
2. Earthworms
3. Insects
4. Snakes

Answer: 2

EXPLANATION: Earthworms are known as farmers' best friends because of the multitude of services they provide that improve soil health and consequently plant health.



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105. Which solution is given when a person has vomiting and loose motions?

- 1) Milk shake
- 2) Lemon water
- 3) Fruit juice
- 4) Salt and Sugar

Answer: 4

EXPLANATION: Vomiting and loose motions can result into dehydration. To overcome this problem Oral Rehydration Solution (ORS) is given to that person. Which contains both salt and sugar.

106. Which one among the following is NOT a natural way of food preservation?

1. Drying
2. By adding preservatives
3. Salting and sweetening
4. Pickling

Answer: 2

EXPLANATION: Food preservation is the technique to prevent food spoilage, food poisoning, and microbial contamination in food.

Food preservation methods:

- Pickling
- Drying
- Cooling
- Sugaring
- Salting

107. Which leaves can be kept in box to protect the seed from the insects?

1. Neem
2. Banyan
3. Banana
4. Mango

Answer: 1

EXPLANATION: Neem plant leaves are used to defence seeds against insects. It contains various compounds which act as insecticides. For example, one of the neem components, azadirachtin, interrupts metamorphosis of insect larvae.

108. Which of the following works can NOT be done with water that has been used once?

1. Mopping the floor
2. Washing hands and face
3. Watering plants
4. Using in the toilet

Answer: 3

EXPLANATION: Water used once (commonly known as greywater) may contain impurities or soap residues that could be harmful to plants. Watering plants with untreated greywater may adversely affect their health.

109. which of the following devices is used to measure body temperature?

1. Lactometer
2. Barometer
3. Thermometer
4. Speedometer



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Answer: 3

EXPLANATION: Thermometer is used to measure temperature. The degree of hotness or coldness of a body is temperature.

110. How many spokes are there in the wheel placed in the centre of the Indian flag?

1. Twenty-six
2. Twenty-four
3. Twenty-one
4. Twenty-eight

Answer: 2

EXPLANATION: The Ashoka Chakra which features in the middle of the tricolour, has twenty-four spokes. It was adopted on July 22, 1947.

111. Who wrote Ramayana?

1. Valmiki
2. Vedvyas
3. Kalidas
4. Gyaneshwar

Answer: 1

EXPLANATION: The Ramayana is a popular epic for the Hindus and was written by Maharshi Valmiki approximately in 200BCE.

112. Which one of the following is a non- renewable resource?

1. Petrol
2. Wind
3. Bio-gas
4. Solar

Answer: 1

EXPLANATION: Non-renewable resources are those which get exhausted with extraction and use, for example, fossil fuel and petroleum. Wind and solar energy are renewable resources.

113. In Jammu & Kashmir, what does "Yakhni" refer to?

1. A piece of cloth worn on head by men
2. A non-vegetarian dish
3. A cultural festival
4. A form of local dance

Answer: 2

EXPLANATION: Jammu and Kashmir State/Union Territory are traditionally associated with a yoghurt-based gravy dish called 'Yakhni'. Yakhni is a light curry or broth made using yoghurt and saffron among other ingredients.

114. "Tadpole" is in the larval age of which animal?

1. Dog
2. Tiger
3. Frog
4. Goat

Answer: 3

EXPLANATION: A tadpole is the young one of a frog which mainly survives in water. Tadpole is a larval stage in an amphibian life cycle.

115. Birds like kites, eagles and vultures can see things from a distance of:



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1. two meters
2. four peters
3. eight meters
4. twenty meters

Answer: 3

EXPLANATION: These birds can view and observe things from a distance of 8 metres. Different birds have different type of vision.

Monocular vision:

- Birds with eyes on the sides of their heads have a wide visual field.
- Such birds can focus on two different things at a time.
- Example: Kites, Eagles, Vultures.

Binocular vision:

- While those with eyes on the front of their heads have binocular vision.
- Such birds can estimate distances when hunting.
- Example: Owl, Crows, Doves, Peacock, Nightingales, Parrots, Pigeons etc.

116. What is the name of the eldest brother among Pandavas?

1. Bheem
2. Arjun
3. Yudishther
4. Karna

Answer: 3

EXPLANATION: Yudishther is the eldest to all four

117. Bihu dance belongs to which State?

1. Assam
2. Gujarat
3. Bihar
4. Punjab

Answer: 1

EXPLANATION:

- The Bihu dance is an indigenous folk dance from the Indian state of Assam.
- The Bihu Festival is celebrated thrice in Assam.
- The young men and young Women perform Bihu dance in groups and the dancing style is characterized by brisk steps and rapid hand movements.

118. Wahida Prism, Lieutenant Commander in the Indian Navy is what type of a professional?

1. Doctor
2. Software Engineer
3. Chef
4. Teacher

Answer: 1

EXPLANATION:

- Lieutenant Commander Wahida Prism is a doctor in the Indian Navy.
- She is one of the few women who has worked on a naval ship.
- She is the first woman to lead a parade.

119. How many gold medals did India win in Asian Games held in 2023?

1. 28