Quantitative Aptitude

1.If a nine digit number 3964y260x is divisible by 36, then the difference between the maximum and minimum possible value of (2y + 4x) is:

- A.26

- B.24

- C.18

- D.34

Ans -D

Explanation:

For the number to be divisible by 36, it should be divisible by both 4 and 9
 To be divisible by 4:
 Last two digits ('0x') should be divisible by 4
 So, x can be 0, 4 or 8
 To be divisible by 9
 Sum of digits should be divisible by 9

x	Sum of digits (30 + x + y)	Possible values of y	2y + 4x
0	30 + y	6	12

| 4 | 34 + y | 2 | 20 |
| 8 | 38 + y | 7 | 46 |

Required difference = 46 – 12 = 34

Hence, option D is correct.

2.**Pipe A and B can fill a tank in 40 hrs and 32 hrs while C can empty it in 60 hrs. If all the pipes are opened when the tank is empty, the tank will be 95% full after time (in hrs):**

- A.16

- B.20

- C.24

- D.30

Ans -C

Explanation:

Let the capacity of the tank be LCM (40, 32, 60) = 480 units

Water filled per hour by A =	$\frac{480}{40}$ = 12 unit,

By B =	$\frac{480}{32}$ = 15 units

Emptied by C per hour =	$\frac{480}{60}$ = 8 units

Water filled per hour when all three are open = 15 + 12 − 8 = 19units

Time to fill 95% of the tank =	$\dfrac{(95/100) \times 480}{19}$	= 24 hrs

Hence, option C is correct.

3.A takes twice the time taken by B and C together and B takes thrice the time taken by A and C together to complete a work. If A and B together can complete it in 25 days, then C alone will complete 60% of the work in:

- A.15

- B.21

- C.25

- D.28

Ans -B

Explanation:

Ratio of efficiency will be inversely proportional to time taken

So efficiency $\dfrac{A}{B + C} = \dfrac{1}{2}$ and $\dfrac{B}{A + C} = \dfrac{1}{3}$

Solving we get, ratio of efficiency

A : B : C = 4 : 3 : 5

Let the work done by A, B and C be 4k, 3k and 5k respectively

Work done by A and B together in 25 days = 7k × 25

Time taken by C to complete 60% of the work

$= \dfrac{3}{5} \times 7k \dfrac{25}{5k} = 21$

5	×	5	days

Hence, option B is correct.

4.Mixture A and B have milk and water in the ratio 16 : 9 and 4 : 1 respectively. 70 lit of mixture A is mixed with x lit of mixture B and resultant mixture has 70% concentration of milk. The value of x is:

- A.35

- B.48

- C.42

- D.36

Ans -C

Explanation:

Milk in Mixture A = $\frac{16}{25}$, which is 64%

and in B = $\frac{4}{5}$, which is 80%

Using allegations

64%			80%
	\	/	
	70		
	/	\	
10			6

Ratio of A : B = 5 : 3

x	3	× 70 =
=	5	42 lit

Hence, option C is correct.

5.The average of 23 integers is 4. If two integers are negative and no integers is greater than 5, what is the maximum number of integers that can be equal to 4?

- A.15

- B.11

- C.9

- D.13

Ans -B

Explanation:
As all the numbers are integers the maximum value of negative numbers is equal to – 1, we assume negative integers to be – 1, as this will have minimum deviation from the average and therefore positive deviation from the average will be balanced out by minimum number of integers.
Two integers are – 1
Difference between average and each negative integers is = 4 – (– 1) = 5
Total negative deviation = 2 × 5 = 10
No Number is greater than 5, so we will have to balance out -10 deviation by ten numbers equal to 5
Deviation of integer 5 from the average = 5 – 4 = 1
Total deviation of ten integers equal to 5 = 10 × 1 = 10
As now the deviation is balanced the rest of the numbers can be equal to 4
Maximum integers equal to 4 = 23 – 2 – 10 = 11

Hence, option B is correct.

6.The value of $\dfrac{2}{13} \times 6\dfrac{3}{4} \div \left\{ 9\dfrac{1}{5} \div 3\dfrac{3}{4} \times 1\dfrac{1}{5} - \left(6\dfrac{1}{4} \div 3\dfrac{3}{5} \times \dfrac{2}{2} \right) \right\}$ **is:**

- A.35

- B.54

- C.15

- D.27

Ans -D

Explanation:

$$\frac{2}{13} \times \frac{27}{4} \div \left\{ \frac{46}{5} \times \frac{5}{23} \times \frac{1}{2} - \left(\frac{25}{4} \times \frac{2}{13} \right) \right\}$$

$$\frac{2}{13} \times \frac{27}{4} \div \left(1 - \frac{25}{26} \right)$$

$$\frac{2}{13} \times \frac{27}{4} \times 26 = 27$$

Hence, option D is correct.

7.In Δ ABC, ∠A = 72° and the external angle bisectors of B and C meet at point D. What is the value of 133.33% of ∠BDC?
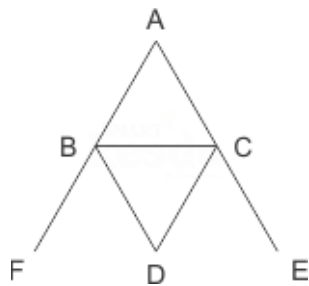
- A.72°

- B.60°

- C.64°

- D.54°

Ans -A

Explanation:

By external angle theorem,

$\angle FBC = \angle A + \angle C$

$\angle BCE = \angle A + \angle B$

A

B   C

F   D   E

In, ΔBCD

$$\angle DBC + \angle DCB = \frac{1}{2} \times (\angle FBC + \angle BCE)$$

$$\angle DBC + \angle DCB = \frac{1}{2} \times (\angle A + \angle B + \angle A + \angle C)$$

$\angle BDC = 180° - (\angle DBC + \angle DCB)$

$$= 180° - \frac{1}{2} \times (\angle A + \angle B + \angle C + \angle A)$$

$$= 180° - \frac{1}{2} \times (180° +$$

| | 2 | ∠A) |

| = 90° | ∠A | = 90° − 36° |
| − | 2 | = 54° |

| 133.33% of | 4 | × 54 = |
| ∠BDC = | 3 | 72° |

Hence, option A is correct.

8.A sum of money becomes Rs 1620 in 4 yrs and Rs 1500 in 3 yrs when put at R% compound interest. The value of R is:

- A.8%

- B.12%

- C.10%

- D.15%

Ans -A

Explanation:

$$P\left(1+\frac{R}{100}\right)^4 = 1620\ \dots\dots\dots\dots(i)$$

$$P\left(1+\frac{R}{100}\right)^3 = 1500\ \dots\dots\dots\dots(ii)$$

Dividing 1 by 2

$$\left(1 + \dfrac{R}{100}\right) = \dfrac{1620}{1500}$$

R = 8%

Hence, option A is correct.

9.If decreasing 140 by x% gives the same result as increasing 60 by x%, then (x/5)% of 350 is what percent of (x + 10)% of 84?

- A.60%

- B.66.67%

- C.75%

- D.50%

Ans -B

Explanation:

$$140 \times \left(1 - \dfrac{x}{100}\right) = 60\left(1 + \dfrac{x}{100}\right)$$

$$\dfrac{100 + x}{100 - x} = \dfrac{140}{60}$$

x = 40

$\left(\dfrac{x}{5}\right)$ % of 350 =	$\left(\dfrac{40}{5}\right)$ % of 350 = 28

(x + 10)% of 84 = 50% of 84 = 42

Reqd. % =	$\dfrac{28}{42}$ × 100 = 66.67%

Hence, option B is correct.

10.A Bus covers a distance of 720 km at a certain speed. If the speed of the bus is increased by 12 km/h it will take 3hrs less to cover the same distance. 66.67% of its original speed (in km/h) is:

- A.42

- B.40

- C.48

- D.32

Ans -D

Explanation:

Let the original speed of Bus = S
Increased speed = S + 12

$$\frac{D}{S} - \frac{D}{S+12} = 3$$

$$\frac{720}{S} - \frac{720}{S+12} = 3$$

$S^2 + 12S - 2880 = 0$

$(S + 60)(S - 48) = 0$

S = 48 km/h

66.67% of original speed

$$= \frac{2}{3} \times 48 = 32 \text{ km/h}$$

Hence, option D is correct.

11. **If 5 Cosec$^2\theta$ – 8 Cot^2 θ = 1, the value of Sec θ is:**

- A.
- B.
- C3/2
- D.

Ans -B

Explanation:

5 Cosec²θ – 8 Cot² θ = 1

5 Cosec²θ – 5 Cot²θ – 3 Cot² θ = 1

5 – 1 = 3 Cot² θ

$$Cot^2\ \theta = \frac{4}{3}$$

$$Tan^2\ \theta = \frac{3}{4}$$

$$Sec^2\ \theta = 1 + \frac{3}{4} = \frac{7}{4}$$

$$Sec\ \theta = \frac{\sqrt{7}}{2}$$

Hence, option B is correct.

12.The difference (in Rs) between the Profit after a discount of 40% and the profit after two successive discounts of 30% and 10% on a product of marked price Rs 4000 is:

- A.180
- B.150

- C.60
- D.120

Ans -D

Explanation:

If MP = 100k

Discount of 40% = 40k

Two successive discounts of 30% and 10% is equal to single discount of

$$= 30 + 10 - 30 \times \frac{10}{100} = 37\%$$

Discount of 37% = 37k

Difference = 40k − 37k = 3k

The difference between profits will be equal to the difference between discounts

$$\text{Reqd. difference} = \frac{3k}{100k} \times 4000 = \text{Rs } 120$$

Hence, option D is correct.

13. If $x + \dfrac{1}{x} = 7$, the value of $x^3 + \dfrac{1}{x^3} - 3$ is :

- A 309
- B 315
- C 319
- D 333

Explanation:

$$x + \frac{1}{x} = 7$$

$$= \left(x + \frac{1}{x}\right)^3 = x^3 + \frac{1}{x^3} + 3 \times x \times \frac{1}{x} \times \left(\frac{1}{x}\right)\left(x + \frac{1}{x}\right)$$

$$= x^3 + \frac{1}{x^3} - 3 = 7^3 - 3 \times 7 - 3 = 319$$

Hence, option C is correct.

14. **If a + b + c = 20 and a² + b² + c² =138, then a³ + b³ + c³ − 3abc is equal to:**

- A.140
- B.150
- C.215
- D.180

Ans -A

Explanation:

$(a + b + c)^2 = a^2 + b^2 + c^2 + 2 (ab + bc + ca)$

(ab + bc + ca) =	$\dfrac{1}{2}$	× [20² − 138]

(ab + bc + ca) = 131

$a^3 + b^3 + c^3 - 3abc = (a + b + c) (a^2 + b^2 + c^2 - (ab + bc + ca))$

$= (a + b + c)(a^2 + b^2 + c^2 - (ab + bc + ca))$

$= 20 × (138 - 131) = 140$

Hence, option A is correct.

15.Aman sells 18 articles less to a customer who pays cost price of 63 articles. If the articles are sold at cost price,his profit percentage is:

- A.28(2/7) %

- B.40%

- C.30%

- D.28(4/7) %

Ans -B

Explanation:

Instead of 63 articles he sells only 63 − 18 = 45 articles

The selling price of 45 articles = Cost price of 63 articles

$$\frac{SP}{CP} = \frac{63}{45} = \frac{7}{5}$$

$$Profit = \frac{7 - \frac{5}{5}}{5} = \frac{2}{5}$$

$$Profit\ percent = \frac{2}{5} \times 100 = 40\%$$

Hence, option B is correct.

16. **The value of [(sin²37° + sin²53°)/(cos²53° + cos²37°) + Cosec²18° − (1 − cos²72°)/sin²18] is equal to :**

- A.3

- B.0

- C.1

- D.2

Ans -D

Explanation:

$$\left[\frac{(\sin^2 37° + \sin^2 53°)}{(\cos^2 53° + \cos^2 37°)} \cdot \frac{Cosec^2 18° +}{-} \cdot \frac{(1 - \cos^2 72°)}{\sin^2 18} \right]$$

Sin 53° = Sin (90° – 37°) = Cos 37°

Similarly,

Cos 53° = Cos (90° – 37°) = Sin 37°

$$\left[\frac{(\sin^2 37° + \cos^2 37°)}{(\sin^2 37° + \cos^2 37°)} \cdot \frac{Cosec^2 18° +}{-} \cdot \frac{(Sin^2 72°)}{\sin^2 18} \right]$$

$$\left[\frac{(\sin^2 37° + \cos^2 37°)}{(\sin^2 37° + \cos^2 37°)} \cdot \frac{Cosec^2 18° +}{-} \cdot \frac{(Sin^2 72°)}{\sin^2 18} \right]$$

$$\left[\frac{1 +}{Cosec^2 18° -} \cdot \frac{(\cos^2 18°)}{\sin^2 18} \right]$$

$$[1 + Cosec^2 18° - Cot^2 18°]$$

[1 + 1] = 2

Hence, option D is correct.

17.The circumradius and inradius of a triangle are 18cm and 5cm respectively. What is the distance between the circumcentre and incentre of the triangle?

- A.12 cm

- B.15 cm

- C.16 cm

- D.18 cm

Ans -A

Explanation:

R = 18 cm and r = 5 cm

Distance between circumcentre and incentre = $\sqrt{(R^2 - 2Rr)}$

= $\sqrt{(18^2 - 2 \times 18 \times 5)}$ = $\sqrt{144}$ = 12 cm

Hence, option A is correct.

18.If $(x - 5)^3 + (x - 4)^3 = 3(x - 5)(x - 4)(x - 9) - (x - 9)^3$, what is the value of x:

- A.6

- B.8

- C.9

- D.5

Ans -A

Explanation:

$(x - 5)^3 + (x - 4)^3 = 3(x - 5)(x - 4)(x - 9) - (x - 9)^3$

$(x - 5)^3 + (x - 4)^3 + (x - 9)^3 = 3(x - 5)(x - 4)(x - 9)$

$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - (ab + bc + ca))$

If $a^3 + b^3 + c^3 - 3abc = 0$

Then $a + b + c = 0$

So, $x - 5 + x - 4 + x - 9 = 0$

$3x = 18$

$x = 6$

Hence, option A is correct.

19. The average weight of a class of 14 students is 64 kg, when two new students join the class the average weight of the class becomes 67 kg. The average weight (in kg) of two new students is:

- A.88
- B.84
- C.86

- D.78

Ans -A

Explanation:

Total weight of 14 students = 14 × 64

Total weight of 16 students = 16 × 67

Average Weight of two new students

$$= \left| \frac{16 \times 67 - 14 \times 64}{2} \right| = 88 \text{ kg}$$

Hence, option A is correct.

20.**If Sec 3x = Cosec (72° − x), the value of (x + 16°) is:**

- A.36°

- B.25°

- C.34°

- D.32°

Ans -B

Explanation:

Sec θ = Cosec (90 – θ)

So, if Sec 3x = Cosec (72° – x)

3x + 72° − x = 90°

2x = 18°

x = 9°

x + 16° = 9° + 16° = 25°

Hence, option B is correct.

Reasoning

Directions :Study the following table chart carefully and answer the questions given beside.

The table shows the stationery items with four friends.

Stationery	Aman	Karan	Joy	Raman
Pens	32	64	20	50
Pencils	12	48	25	62
Books	120	128	150	156
Notebooks	216	140	120	108

21.**What is the difference between the total books and total notebooks with all four friends?**

- A.26

- B.40

- C.24

- D.30

Ans -D

Explanation:

Stationery	Aman	Karan	Joy	Raman	Total
Pens	32	64	20	50	166
Pencils	12	48	25	62	147
Books	120	128	150	156	554
Notebooks	216	140	120	108	584
Total	380	380	315	376	

Required difference = 584 – 554 = 30

Hence, option D is correct.

22.**What is the ratio of the number of notebooks with Raman and Joy and the number of books with Aman and Karan?**

- A.153/178

- B.57/62

- C.57/60

- D.53/62

Ans -B

Explanation:

Stationery	Aman	Karan	Joy	Raman	Total
Pens	32	64	20	50	166
Pencils	12	48	25	62	147
Books	120	128	150	156	554
Notebooks	216	140	120	108	584
Total	380	380	315	376	

Notebooks with Raman and Joy = 120 + 108 = 228

Books with Aman and Karan = 120 + 128 = 248

Ratio = $\dfrac{228}{248} = \dfrac{57}{62}$

Hence, option B is correct.

23.**What is the difference between the total pens and pencils with Aman and Karan and the total Books and Notebooks with Karan and Joy?**

- A.362
- B.382
- C.282
- D.394

Ans -B

Explanation:

Stationery	Aman	Karan	Joy	Raman	Total
Pens	32	64	20	50	166
Pencils	12	48	25	62	147
Books	120	128	150	156	554
Notebooks	216	140	120	108	584
Total	380	380	315	376	

Total pens and pencils with Aman and Karan = 32 + 64 + 12 + 48 = 156

Total Books and notebooks with Karan and Joy = 128 + 140 + 150 + 120 = 538

Required difference = 538 – 156 = 382

Hence, option B is correct.

24.**The total stationery items with Joy are what percent of total stationery items with Raman (to the nearest integer)?**

- A.87%

- B.84%

- C.77%

- D.79%

Ans -B

Explanation:

Stationery	Aman	Karan	Joy	Raman	Total
Pens	32	64	20	50	166
Pencils	12	48	25	62	147
Books	120	128	150	156	554
Notebooks	216	140	120	108	584
Total	380	380	315	376	

Reqd. % =	$\frac{315}{376} \times 100 =$ 83.77%

To the nearest integer = 84%

Hence, option B is correct.

25.**The average stationery items with Aman are what percent of the books with Joy?**

- A.63.33%

- B.45.45%

- C.50.66%

- D.55.45%

Ans -A

Explanation:

Stationery	Aman	Karan	Joy	Raman	Total
Pens	32	64	20	50	166
Pencils	12	48	25	62	147
Books	120	128	150	156	554
Notebooks	216	140	120	108	584
Total	380	380	315	376	
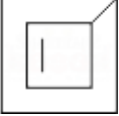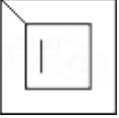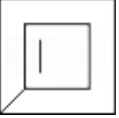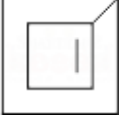
Average stationery items with Aman = $\dfrac{380}{4}$ = 95

Reqd. % = $\dfrac{95}{150}$ × 100 = 63.33%

Hence, option A is correct.

26.**Directions: In the question consists of five figures marked 1, 2, 3, 4 and 5 called the problem figures. Select a figure from amongst the answer figures which will continue the some series as established by the five Problem Figures.**

- A.

- B.

- C.

- D.
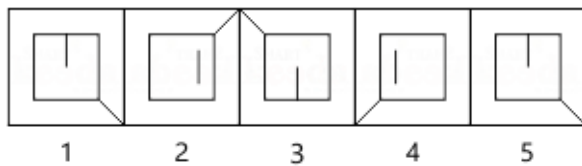
Ans -D

Explanation:

In each of the step, the inner and outer line relative to the inner square moves clockwise and anti-clockwise respectively.

Hence, option D is correct.

27.**'Effort' is related to 'Failure' in the same way as 'Inept' is related to**

- A.Unskilled

- B.Incompetent

- C.Competant

- D.amateur

Ans -C

Explanation:

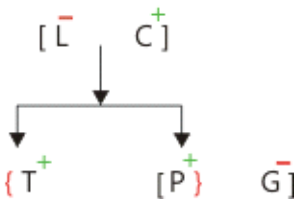'Failure' is an antonym of 'Effort', same as 'Competant' is an antonym of 'Inept'

Hence, option C is correct.

 28.**L is the mother of T, who is the brother of P. G is the wife of P and daughter-in-law of C. How is G related to L ?**

- A.Daughter
- B.Daughter-in-law
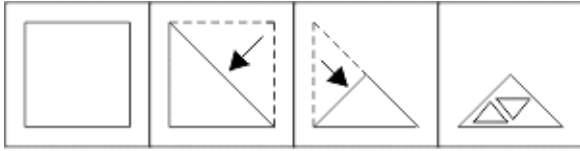- C.Can't be determined
- D.Sister-in-law

Ans -B

Explanation:

It's evident from the figure that G is daughter-in-law of L.

29.**Directions: A piece of a paper is folded and cut as shown below in the Question Figures. Indicate how it will appear when opened.**

- A.

- B.

- C.

- D.

Ans -C

Explanation:
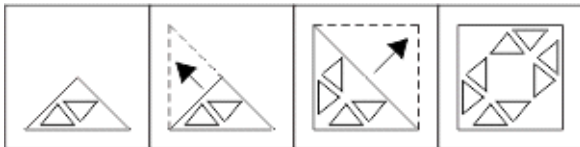
Hence, option C is correct.

30.**Select the figure in which the given figure is embedded.**

- A.

- B.

- C.

- D.

Ans -D

Explanation:

Hence, option D is correct.

31.**Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

- A.BDW

- B.FHS

- C.GIQ

- D.IKP

Ans -C

Explanation:

In all other groups, the first element moves two steps forward to give the second element and third element occupies the same position from the other end of the alphabet as the second element does from the left end.

+2
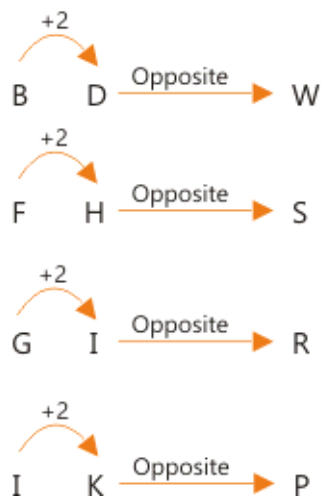B   D ──Opposite──▶ W

+2
F   H ──Opposite──▶ S

+2
G   I ──Opposite──▶ R

+2
I   K ──Opposite──▶ P

Hence, the option C is odd one out here.

32.In question, some statements are given, followed by two conclusions I and III. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements. Indicate your answer.

Statements :
Gurudwara is a place of worship.
Masjid is also a place of worship.

Conclusions :

I. Sikhs and Muslims use the same place for worship.
II. All Masjids are Gurudwaras.

- A.Only I follows

- B.Only II follows

- C.Either I or II follows

- D.Neither I nor II follows

Ans -D

Explanation:

Here, the middle term 'worship' is not distributed even once in either of the statements, we, therefore can't derive a definite conclusion between the two classes of 'Gurudwara' and 'Masjid'.

Clearly, neither of the conclusions I and II follow.

Option D is hence the correct answer.

33.**Three of the following four number – pairs are alike in a certain way and one is different. Find the odd one out.**

- A.28

- B.14

- C.84

- D.12

Ans -B

Explanation:

Except 14, all others are more than 3 factors as shown below:

28: 1 × 2 × 2 × 7

84: 1 × 2 × 2 × 3 × 7

12: 1 × 2 × 2 × 3

but,

14: 1 × 2 × 7

Hence, option B is correct.

34. **Arrange the following words in a logical and meaningful order:**

1. Growth

2. Decline

3. Saturation/Maturity period

4. Introductory stage/Establishment

5. Expansion

- A.4, 5, 1, 2, 3

- B.5, 1, 4, 3, 2

- C.4, 1, 5, 3, 2

- D.3, 4, 5, 1, 2

Ans -C

Explanation:

Meaningful/logical order of words given below:

Introductory stage or establishment – Growth period – Expansion – Saturation or Maturity period – Decline

Hence, option C is correct.

35.**If RAM is written as 13118 and JESUS is written as 192119510 in a certain code , then how can ALLAH be written in that code?**

- A.8122121

- B.6112112

- C.8121121

- D.8112121

Ans -D

Explanation:

RAM → 13118

JESUS → 192119510

Similarly,

ALLAH → 8112121

Hence, option D is correct.

36.**Three of the following four words are alike in a certain way and one is different. Find the odd one out.**

- A.Resolution
- B.Intention
- C.Prolonging
- D.Aspiration

Ans -C

Explanation:

Except 'Prolonging', all others are synonyms of each other.

Hence, option C is correct.

37.**Directions: A mirror is placed on the line MN, and then which of the Answer Figures is the right image of the given Question Figure?**

M

N

- A.

- B.

- C.

- D.

Ans -C
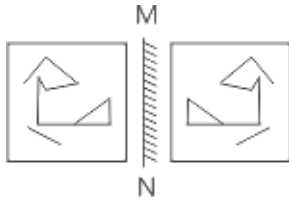
Explanation:

Hence, option C is correct.

38. **Three views of a cube are given below.**
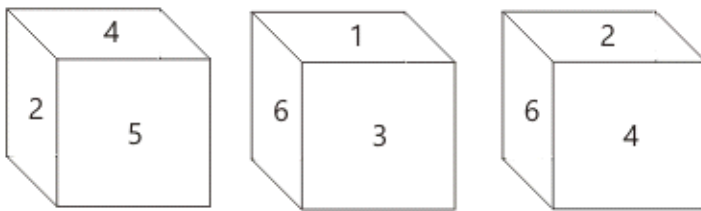
Which number is opposite 5?

- A.6
- B.1
- C.4
- D.3

Ans -A

Explanation:

1 and 3 are adjacent to 6 (see second view). So are 2 and 4 (see third view). Hence the remaining number, 5, must be opposite 6.

Hence, option A is correct.

39.**Choose the set of numbers that is similar to the following set.**

(5, 11, 20)

- A.(13, 21, 30)
- B.(7, 11, 18)
- C.(8, 14, 23)
- D.(5, 12, 18)

Ans -C

Explanation:

(5, 11, 20) the difference between each digits is 6, 9 respectively.

Similarly, option C (8, 14, 23) is following the same difference pattern of 6 and 9 between digits.

Hence, option C is correct.

40.**Find the number of triangles in the given figure?**

- A.24

- B.22

- C.28

- D.26

Ans -C

Explanation:

We may label the figure as shown.
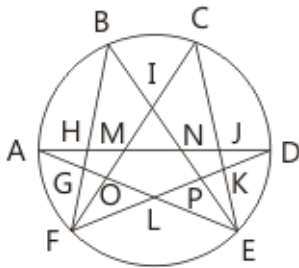
The simplest triangles are AGH, GFO, LFO, DJK, EKP, PEL and IMN i.e. 7 in number.

The triangles having two components each are GFL, KEL, AMO, NDP, BHN, CMJ, NEJ and HFM i.e. 8 in number.

The triangles having three components each are IOE, IFP, BIF and CEI i.e. 4 in number.

The triangles having four components each are ANE and DMF i.e. 2 in number.

The triangles having five components each are FCK, BGE and ADL i.e. 3 in number.

The triangles having Six components each are BPF, COE, DHF and AJE i.e. 4 in number.

Thus, there are 7 + 8 + 4 + 2 + 3 + 4 = 28 triangles in the figure.

41.**Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.**

25 : 343

- A.32 : 125
- B.26 : 216
- C.23 : 512
- D.3 : 81

Ans -A

Explanation:

The second number is the cube of the sum of both the digits of the first number.

i.e. 2 + 5 = 7^3 = 343

Similarly, $3 + 2 = 5^3 = 125$.

Hence, option A is correct.

42. **Which of the following interchanges of signs would make the given equation correct ?**

$8 \div 2 + 9 \times 6$ $\times 3 =$	$\dfrac{33}{2}$

- A. x and +
- B. ÷ and x
- C. + and ÷
- D. ÷ and =

Ans -B

Explanation:

$8 \div 2 + 9 \times 6$ $\times 3 =$	$\dfrac{33}{2}$

After interchanging ÷ and ×, we get

$8 \times 2 + 9 \div 6 \div 3$

$= 16 + \dfrac{1}{2} = \dfrac{33}{2}$

Option B is hence the correct answer.

43.**In a certain code RELATION is coded as BCJSOGMU then how is IDENTIFY coded in that language ?**

- A.OBCZJGDU

- B.OBCZUJGR

- C.OBCJUDGZ

- D.OBCJZGDU

Ans -D

Explanation:
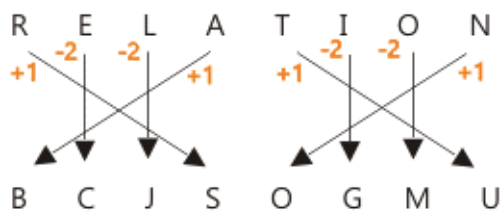
Similarly,
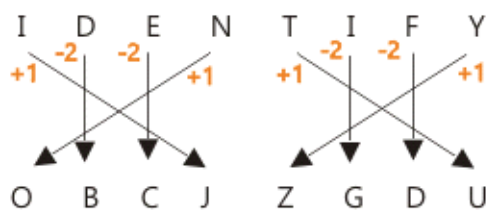
44.**Direction : Select the related word/letters/number from the given alternatives.**

Chug : Train

- A.Chirp : House
- B.Beep : Animal
- C.Bang : Door
- D.Kea : Man

Ans -C

Explanation:

The first is the sound of the second,

Hence, option (C) is correct.

45.**In the following question, choose that set of numbers from the four alternative sets that is similar to the given set.**

(4, 13, 6)

- A.12, 18, 10
- B.2, 5, 8
- C.9, 15, 7
- D.11, 14, 2

Ans -D

Explanation:

The pattern is**:**

$$2^{nd}\ number = 1^{st}\ number + \frac{3}{2} \times 3^{rd}\ number$$

$$Thus,\ 4 + \frac{3}{2} \times 6 = 4 + 9 = 13$$

$$Similarly,\ 11 + \frac{3}{2} \times 2 = 11 + 3 = 14$$

46.**Which number will replace the question mark(?) in the following series:**

43   69   56   82   69   ?

- A.85
- B.None of these
- C.98
- D.95

Ans -D

Explanation:

Series Pattern	Given Series	
43	43	
43 + **26** = 69	69	
69 – **13** = 56	56	
56 + **26** = 82	82	
82 – **13** = 69	69	
69 + **26 = 95**	**95**	✓

Hence, option D is correct.

47. **10 years ago the ratio of age of A and B was 3 : 2 and after 10 years, their age's ratio will become 4 : 3. Find the sum of their present age.**

- A.100

- B.120

- C.150

- D.200

Ans -B

Explanation:

Present age of A = a

Present age of B = b

| 10 years ago : | (a - 10) | = 3 : |
| | (b - 10) | 2 |

| 10 years after : | (a + 10) | = 4 : |
| | (b + 10) | 3 |

Solving the two equations a= 70 years , b = 50 years

Sum of their ages = a + b = 120

Hence, option B is correct.

48.Select the option that is related to the third-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RS : OUPV : : TV : ?

- A.RVTX

- B.UTSY

- C.SRPW

- D.QWSY

Ans -D

Explanation:

RS : OUPV

The analogy here is, that One letter to 2 letters

R represents - OU because from R if we do -3, we get O and if we do +3 from R, we get U

So, for S represents - PV.

Similarly,

TV : QWSY

49.**Which of the following diagrams best depicts the relationship among Cap, Tie and Shirt ?**

- A.

- B.

- C.

- D.
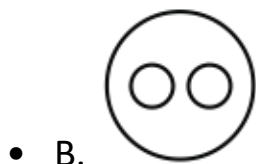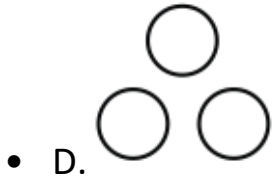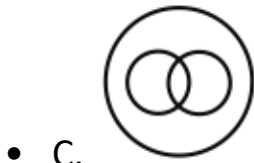
Ans -D

Explanation:

Cap, Tie and Shirt are separate items, entirely different from one another.
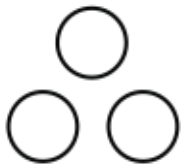
Option D is hence the correct answer.

50.**Select the combination of letters than when sequentially placed in the gaps of the given letter series will complete the series.**

abca_bcaab_ca_bbc_a

- A.ccaa
- B.bbaa
- C.abac

- D.abba

Ans -C

Explanation:

The series is:

abc/a**a**bc/aab**b**c/a**a**bbc**c**/a .

Thus, the pattern 'abc/aabc/aabbc/aabbcc ' is repeated.

English

Directions: Study the following infomration carefully and answer the questions given besides.

Ellora Caves are a series of 34 magnificent rock-cut temples in the Maharashtra state of western India. They are located near the village of Ellora, 30 km northwest of Aurangabad and 80 km southwest of the Ajanta Caves. Spread _____ A _____ a distance of 2 km, the temples were cut from basaltic _____ B _____ and have elaborate facades and interior walls. The Ellora complex was designated a UNESCO World Heritage site in 1983. The 12 Buddhist caves, in the south, date from about 200 BCE to 600 CE, the 17 Hindu temples (in the centre) date from about 500 to 900 CE, and the 5 Jain temples, in the north, date from about 800 to 1000 CE. The Hindu caves are the most dramatic in design, and the Buddhist caves contain the simplest ornamentation. Ellora _____ C _____ as a group of monasteries and temples;

_____ D _____ of the caves include sleeping cells that were carved for _____ E _____ monks.

51.**Select the most appropriate option for blank A.**

- A.unto

- B.from

- C.off

- D.over

Ans -D

Explanation:

"Over" is the correct preposition in blank A.

"Spread over (something)" means 'to move across and cover someone or something'. This meaning is appropriate in blank A.

Hence, option D is the correct answer.

52.**Select the most appropriate option for blank No. B.**

- A.cliffs

- B.sands

- C.lakes

- D.lava

Ans -A

Explanation:

The word 'basaltic' denotes a kind of rock. This adjective can be used to describe only 'lava', 'rocks', 'cliffs / hills / mountains'.

Thus option B and C get eliminated right away.

But in the context of the passage, option D also becomes invalid because temples are not made by cutting 'lava'.

They are made by cutting 'cliffs'.

Hence, option A is the correct answer.

53.**Select the most appropriate option for blank No. C.**

- A.sanctioned

- B.satiate

- C.served

- D.sanctified

Ans -C

Explanation:

Sanction: give official permission or approval for (an action)

Satiate: satisfied to the full; sated

Serve: perform duties or services for (another person or an organization)

Sanctify: set apart as or declare holy; consecrate

Obviously, 'sanctioned', 'satiated' and 'sanctified' do not fit in blank C.

Only 'served' makes perfect sense in blank C.

Hence, option C is the correct answer.

54.**Select the most appropriate option for blank No. 4.**

- A.that

- B.every

- C.any

- D.some

Ans -D

Explanation:

"That", "every" and "any" are grammatically erroneous in blank D.

Only "some" makes perfect sense in blank D and imparts proper meaning to the sentence.

Hence, option D is the correct answer.

55.**Select the most appropriate option for blank No. E.**

- A.stoic

- B.spirited

- C.itinerant

- D.wise

Ans -C

Explanation:

Stoic: a person who can endure pain or hardship without showing their feelings or complaining

Spirited: full of energy, enthusiasm, and determination

Itinerant: travelling from place to place

Wise: full of knowledge

Grammatically speaking, all the words can fit in blank E. But the question asks for the most appropriate word to fill blank E.

Monks are generally *stoic*: it's the inherent characteristic feature of a monk. It does not add any meaning to the sentence. It can be eliminated.

Monks are generally not *spirited*: they are serious and grave.

Monks are generally *wise*: it's the inherent characteristic feature of a monk. It does not add any meaning to the sentence. It can also be eliminated.

Only 'itinerant' adds proper meaning to the sentence, and is hence appropriate in blank E: the temples served as sleeping cells for **travelling / itinerant** monks.

Hence, option C is the correct answer.

56.**In the sentence identify the segment which contains the grammatical error.**

The landless labourer and his son regularly comes to our house looking for employment.

- A.The landless labourer

- B.and his son

- C.regularly comes to our house

- D.looking for employment

Ans -C

Explanation:

The sentence has a plural subject (landless labourer **and** his son).

The verb should, hence, agree with the plural subject.

The usage of 'comes' is hence erroneous in the given sentence.

The correct verb should have been 'come' in place of 'comes'.

Therefore, option C is the correct answer.

57.**Select the correct passive form of the given sentence.**

Mr. Rahman bought two bags of rice from the market.
- A.Two bags of rice was bought by Mr. Rahman from the market.

- B.Two bags of rice were bought by Mr. Rahman from the market.

- C.Two bags of rice had been bought by Mr. Rahman from the market.

- D.Two bags of rice have been bought by Mr. Rahman from the market.

Ans -B

Explanation:

The given sentence is in the past indefinite tense.

Only sentence A and sentence B are in the past indefinite tense. Therefore, option C and option D get eliminated.

In option A the singular verb (was) does not agree with the plural subject (two bags of rice). Hence, option A also gets eliminated.

Hence, option B is the correct answer.

58.**Select the wrongly spelt word.**

- A.Contempt

- B.Condone

- C.Condem

- D.Concussion

Ans -C

Explanation:

The word "condem" has been wrongly spelt here. The correct spelling of the word is 'condemn'.

Contempt: disdain / disrespect

Condone: forgive

Condemn: censure / criticize

Concussion: a mild traumatic brain injury

Hence, option C is the correct answer.

59.**Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement.**

The Hindi film **was being dub** into Telugu by the artist for a meager remuneration.

- A.was dub

- B.was being dubbed

- C.dubbed

- D.No Improvement

Ans -B

Explanation:

The given sentence is in the passive voice.

As per the rules of passive voice, 'was being dubbed' would be the correct expression in place of 'was being dub'. [In passive form of continuous tense: 'be verb' +' being' + '3rd form of verb']

Hence, option B is the correct answer.

60.**Given below are four jumbled sentences. Select the option that gives their correct order.**

A. Parents and teachers should take preemptive steps to inculcate discipline in the life of a student.
B. Discipline is a great virtue that everybody should practice in his or her daily life.
C. It is particularly important for students as they are the backbone of our

future.

D. Without discipline nobody can make it big in life.

- A.ACBD

- B.BDCA

- C.CDAB

- D.DABC

Ans -B

Explanation:

Analysing the sentences, we see that sentence B introduces the thought flowing through all the sentences. Hence, sentence B is the opening sentence. **[B]**

Sentence D closely follows sentence B. Besides, both the sentences contain the key term 'discipline' that connects these two sentences. Hence, we can deduce that sentence B is followed by sentence D. **[B-D]**

Sentence C then presents a specific case that follows from the general cases of sentence B and sentence D. Sentence D is thus surely followed by sentence C. **[D-C]**

Sentence A explains how the objective presented through sentence C can be achieved. Thus sentence C is followed by sentence A. **[C-A]**

Therefore the correct rearrangement is: **BDCA**

Hence, option B is the correct answer.

61.**Select the most appropriate meaning of the given idiom.**

Play ducks and drakes with

- A.Dupe somebody

- B.Not being serious with relationships

- C.Waste money

- D.Harass

Ans -C

Explanation:

The idiom "play ducks and drakes with" means 'To behave recklessly; to idly squander one's wealth'.

Obviously, option 1, option 2 and option 4 do not give the correct meaning of 'play ducks and drakes with'.

Hence, option C is the correct answer.

62.**In the sentence identify the segment which contains the grammatical error.**

My cousin went to the garden yesterday and their he found a newborn puppy.

- A.My cousin went

- B.to the garden yesterday

- C.and their he found

- D.a newborn puppy

Ans -C

Explanation:

The usage of 'their' (the possessive form of they) is erroneous.

The correct word in place of 'their' should have been 'there' [which indicates 'in, at, or to that place or position'].

Hence, option C is the correct answer.

63.**Select the antonym of the given word.**

AUSTERE

- A.Luxurious

- B.Ascetic

- C.Strict

- D.Genial

Ans -D

Explanation:

"Austere" means 'severe or strict in manner or attitude / stern / strict / harsh'.

Obviously, the correct antonym of "austere" is "genial" which means 'friendly and cheerful'.

'Strict' is synonymous with 'austere'.

'Luxurious' and 'ascetic' does not have any relation with 'austere'.

Hence, option D is the correct answer.

64.**Select the word which means the same as the group of words given.**

Money or property that you receive from someone after they die

- A.Gratuity
- B.Legacy
- C.Pension
- D.Property

Ans -B

Explanation:

Gratuity: a sum of money paid to an employee at the end of a period of employment

Legacy: an amount of money or property left to someone in a will / money or property that you receive from someone after they die

Pension: a regular payment made by the state to people of or above the official retirement age and to some widows and disabled people

Property: a thing or things belonging to someone; possessions collectively

Obviously, 'legacy' is the word that correctly substitutes the given group of words.

Hence, option B is the correct answer.

65.**Select the synonym of the given word.**

Elucidate

- A.Explain

- B.Exaggerate

- C.Exert

- D.Engage

Ans -A

Explanation:

"Elucidate" means 'make (something) clear; explain / explicate/ interpret / gloss'.

Obviously, among the given options, only 'explain' is the correct synonym of 'elucidate'.

Hence, option A is the correct answer.

66.**Select the wrongly spelt word.**

- A.tuition

- B.mischievous

- C.entrepraneur

- D.systematically

Ans -C

Explanation:

The word "entrepraneur" has been misspelled. The correct spelling of the word is "entrepreneur".

The other words are correctly spelled.

Hence, option 3 is the correct answer.

67.**Given below are four jumbled sentences. Select the option that gives their correct order.**

A. Then he realized that something long and slimy had latched onto his leg and was slowly moving up his body.
B. His whole body became stiff in fear; he tried to shout for help but his voice sounded more like a whisper, than a shout.
C. When Banti tried to come out of the bush he realized that he was stuck

there.

D. He tried to figure out what prevented him from coming out of that place and realized that his leg was stuck in a hole.

- A.ACBD

- B.BDCA

- C.CDAB

- D.DABC

Ans -C

Explanation:

Analysing the sentences we see that sentence C introduces the story / part of the story presented through the given sentences. Hence, sentence C is the beginning sentence. **[C]**

Sentence D closely follows sentence C and they both talk about Banti having been stuck in the bush. Hence, sentence C is followed by sentence D. **[C-D]**

Sentence A gives us the next piece of information that fits perfectly after sentence D. Hence, sentence D is followed by sentence A. **[D-A]**

Sentence B gives us the consequence of the incident presented in sentence A. Hence, sentence A is followed by sentence B. **[A-B]**

Therefore the correct rearrangement is: **CDAB**

Hence, option C is the correct answer.

68.**Select the most appropriate option to substitute the bold segment in the given sentence. If no substitution is required, select No Improvement.**

Hearing the soldier's comments, the captain **flew to** a rage.

- A.flew on
- B.flew into
- C.flew in
- D.No Improvement

Ans -B

Explanation:

The usage of "flew to" is erroneous in the given sentence.

The correct phrase in place of 'flew to' would be 'flew into'.

"Fly into" is a standard expression that means "to be overcome by (sudden extreme emotion)".

It cannot be changed whimsically.

Hence, option B is the correct answer.

69.**Select the correct passive form of the given sentence.**

The headmaster asked the clerk to frame a character certificate for the student.

- A.The clerk was asked by the headmaster to frame a character certificate for the student.
- B.The headmaster asked the clerk to let a character certificate be framed.

- C.The clerk was asked by the headmaster to let a character certificate be framed.

- D.A character certificate was to be framed by the clerk being ordered by the headmaster.

Ans -A

Explanation:

The sentence is in the past tense.

Subject: The headmaster; Object: the clerk

When the voice is changed the object becomes subject, and the subject becomes the object.

Option 2 and option 4 are completely incorrect. They can be eliminated.

In option 3, the sentence is grammatically erroneous after 'to'. Hence, it also gets eliminated.

Therefore, option A is the correct answer.

70.**Select the synonym of the given word.**

Recapitulate

- A.Recover

- B.Reanimate

- C.Summarize

- D.Surrender

Ans -C

Explanation:

"Recapitulate" means 'summarize and state again the main points of / sum up / repeat / reiterate'.

Obviously, among the given options, only 'summarize' is the correct synonym of 'recapitulate'.

Hence, option C is the correct answer.

71.**Select the word which means the same as the group of words given.**

Desertion of one's country or cause in favour of an opposing one

- A.Immigration

- B.Emigration

- C.Exodus

- D.Defection

Ans -D

Explanation:

Immigration: the action of coming to live permanently in a foreign country

Emigration: the act of leaving one's own country to settle permanently in another; moving abroad

Exodus: a mass departure of people

Defection: the desertion of one's country or cause in favour of an opposing one

Obviously, option D is the correct answer.

72.**Select the most appropriate option to fill in the blank.**

There was a time when Children's Day was celebrated with much _____ , with movies themed around kids.

- A.zeal
- B.deliberation
- C.flattery
- D.detachment

Ans -A

Explanation:

Zeal: Enthusiasm, zest

Deliberation: Reflection/ contemplation

Flattery: Sycophancy

Detachment: Disinterest

Obviously, 'zeal' is the correct word in the given sentence. *Children's movies were celebrated with **enthusiasm/ zeal**.*

The other words given in the other options do not fit in the blank.

Hence, option A is the correct answer.

73.**Select the most appropriate option to fill in the blank.**

Immigration from North Africa to the US has picked up in recent decades, _____ war and worsening economic prospects.

- A.owing to

- B.owe to

- C.owed to

- D.being owed to

Ans -A

Explanation:

"Owing to" is a standard English expression {preposition} that means 'because of / due to'.

The correct expression in the blank would be 'owing to'.

The other options do not add any meaning to the sentence. Hence, they are inappropriate.

Therefore, option A is the correct answer

74.**Select the antonym of the given word.**

IMPEDE

- A.Kill

- B.Stop

- C.Obstruct

- D.Help

Ans -D

Explanation:

"Impede" means 'delay or prevent (someone or something) by obstructing them; hinder; hold back; hinder/ obstruct; hamper etcetera'.

Obviously, among the given options, only 'help' is the correct antonym of 'impede'. The other words are synonymous (totally or partially) with 'impede'.

Hence, option D is the correct answer.

75.**Select the most appropriate meaning of the given idiom.**

Take the wind out of one's sails

- A.making one's words / actions ineffective

- B.making one's endeavours less dangerous

- C.making one's endeavours more dangerous

- D.making one's words / actions more effective

Ans -A

Explanation:

The idiom "take the wind out of one's sails" means 'frustrate someone by unexpectedly anticipating an action or remark / to make someone feel less confident or less determined to do something, usually by saying or doing something that they are not expecting'.

Option B and option D get eliminated outright.

Out of option A and option C, option A is more appropriate. Option C does not do justice to the meaning of the idiom.

Hence, option A is the correct answer.

General Studies

76.**Which of the following dates is observed as World Pneumonia Day?**

- A.November 11

- B.November 12

- C.November 13

- D.November 10

Ans -B

Explanation:

World Pneumonia Day is annually held on November 12 to raise awareness of pneumonia, promote prevention and treatment, and generate action to fight the illness.

The theme for 2019 World Pneumonia Day is Healthy lungs for all. The day aims to raise awareness, promote prevention and treatment, and produce action to combat the disease. The day promotes interventions to prevent, treat, and protect against pneumonia. It also highlights the proven approaches and solutions in need of additional resources and attention.

Hence, the correct answer is option B.

77.Which state police is going to carry out a month-long drive for enforcement of 'Prohibition of Electronic Cigarettes Ordinance 2019'?

- • A.Punjab Police

- • B.Delhi Police

- • C.Haryana Police

- • D.Rajasthan Police

Ans -C

Explanation:

Haryana Police will carry out a month-long drive for enforcement of 'Prohibition of Electronic Cigarettes Ordinance 2019' starting today, to put a check on availability and usage of e-cigarettes and all other forms of electronic nicotine delivery systems across the state.

Director-General of Police Manoj Yadava said that the Central government had recently prohibited e-cigarettes through the promulgation of the Prohibition of Electronic Cigarettes Ordinance 2019.

Hence, the correct answer is option C.

78.Who among the following actresses is going to turn Elsa for Tamil-dubbed version of Frozen 2?

- A.Tapsee Pannu

- B.Anushka Shetty

- C.Tamannaah

- D.Shruti Hassan

Ans -D

Explanation:

Actress Shruti Haasan will be lending her voice to character of Elsa in the Tamil version of Hollywood animated movie Frozen 2.

Shruti will also be singing three songs for the film.

"I absolutely adore the movie Frozen and the bond shown between sisters Elsa and Anna is purely heart-warming. Being the elder sister, I completely resonate with Elsa's feelings towards Anna and will do the same for my sister," Shruti said.

Hence, the correct answer is option D.

79.**Inaugural Conclave on "National Capital Region -2041" was being held in _____.**

- A.New Delhi

- B.Chennai

- C.Mumbai

- D.Pune

Ans -A

Explanation:

Shri Durga Shankar Mishra, Secretary, Ministry of Housing and Urban Affairs, Government of India, chaired the inaugural conclave on "National Capital Region -2041" organized by the National Capital Region Planning Board (NCRPB), here today. The theme of the conclave was "Planning for Tomorrow's Greatest Capital Region". The Conclave had participation from all NCR participating States, concerned Ministries/Departments of Government of India, Knowledge Institutions, Industries, Housing Associations, Subject Experts, Field Officers from various districts, and other stakeholders.

Setting the agenda for the conclave, Shri D. S. Mishra said that the Regional Plan - 2041 should be a citizen-centric plan, with liveability as the hallmark, to ensure ease of living. He further said that only plans with crucial factors like economic ability and sustainability can succeed.

Hence, the correct answer is option A.

80.**"Thang Ta" is a martial dance of which of the following states?**

- A.Manipur

- B.Tripura

- C.Jharkhand

- D.Madhya Pradesh

Ans -A

Explanation:

Thang Ta is popular term for the ancient Manipuri Martial Art known as Huyen langlon. The art developed from the war environment of the tiny state of Manipur in North-east India, which was an independent kingdom since the early Christian era. It played an important role in the geopolitical environment of medieval times in between India and China with many independent states at war with each other.

Hence, the correct answer is option A.

81.**Justice Akil Abdulhamid Kureshi is going to be sworn in as New Chief Justice of which high court?**

- A.Mumbai High Court

- B.Tripura High Court

- C.Delhi High Court

- D.Kolkata High Court

Ans -B

Explanation:

Newly appointed Chief Justice of High Court of Tripura, Justice Akil Abdulhamid Kureshi will be administered the oath of office and secrecy by Tripura Governor Ramesh Bais during an oath taking ceremony in Agartala on November 16 next.

On November 8th last, the Union Ministry of Law and Justice issued a formal notification appointing Justice Akil Abdulhamid Kureshi, the Judge of the Bombay High Court as the new Chief Justice of Tripura following statutory approval from the President of India.

As per the notification of union ministry, the President has appointed Justice Kureshi as Chief Justice of High Court of Tripura and the appointment of Justice Kureshi will effect from the date he assumes charge of his offices.

Hence, the correct answer is option B.

82.India's first elephant memorial was recently unveiled in _____.

- A.Etawah
- B.Mathura
- C.Agra
- D.Gorakhpur

Ans -B

Explanation:

Agra In a unique and heartfelt tribute to honour elephants that lost their lives to illegal trafficking, abuse and cruelty, India-based conservation charity Wildlife SOS unveiled the country's first elephant memorial in Mathura. The memorial symbolises the sacrifice of these gentle giants who lost their lives while suffering brutality at the hands of humans.

Most elephants used in circuses and tourist rides are taken from the wild and undergo a lifetime of misery. This unique memorial with stone boulders and engraved black granite plaques names some elephants who suffered this fate.

The memorial, 20 miles from Taj Mahal, was inaugurated by additional principal chief conservator of forests, UP K Praveen Rao. The memorial consists of five boulders, each with engraved plaques to commemorate the spirit of the departed elephants, who died while overcoming their physical ailments and psychological wounds sustained through the brutal "breaking" and training process and in captivity. It is a constant reminder that elephants belong in the wild and they must be protected and conserved in the wild. The memorial has been set up with the support of UP forest department.

Hence, the correct answer is option B.

83.Who among the following is the author of the Book titled 'Bookless in Baghdad'?

- A.Ashish Ray

- B.Pablo Neruda

- C.Shobha De

- D.Shashi Tharoor

Ans -D

Explanation:

Bookless in Baghdad is a 2005 book by author Shashi Tharoor that consists of a collection of previously published articles, book reviews and columns on writers, books and literary musings.

Hence, the correct answer is option D.

84.**Bile juice is produced in which of the following organs?**

- A.Liver

- B.Kidney

- C.Lungs

- D.Stomach

Ans -A

Explanation:

Bile is a digestive juice made in liver and stored in gallbladder. It helps in fat digestion and absorption.

Hence, the correct answer is option A.

85.**Which of the following scientists created the world's first nuclear reactor, the Chicago Pile-1?**

- A.Alfred Nobel

- B.Paul Dirac

- C.Ettore Majorana

- D.Enrico Fermi

Ans -D

Explanation:

Enrico Fermi was an Italian–American physicist and the creator of the world's first nuclear reactor, the Chicago Pile-1.

Hence, the correct answer is option D.

86.$CaCo_3$ is chemical formula of which one of the following?

- A.Galena

- B.Potash

- C.Limestone

- D.Baking Soda

Ans -C

Explanation:

$CaCO_3$ is calcium carbonate, commonly known as limestone.

Hence, the correct answer is option C.

87.A/an _____ is a natural phenomenon which is characterized by a display of a natural-colored (green, red, yellow or white) light in the sky.

- A.Anthelion

- B.Aurora

- C.Iridescence

- D.Sylvan shine

Ans -B

Explanation:

An aurora is a natural phenomenon which is characterized by a display of a natural-colored (green, red, yellow or white) light in the sky. It is a light show which is caused when electrically-charged particles from the sun collide with particles from gases such as oxygen and nitrogen present in the Earth's atmosphere.

Hence, the correct answer is option B.

88.A _____ is a membrane-bound cell organelle that contains digestive enzymes.

- A.Ribosome

- B.Lysosome

- C.Endoplasmic Reticulum

- D.Cytoplasm

Ans -B

Explanation:

A lysosome is a membrane-bound cell organelle that contains digestive enzymes. Lysosomes are involved with various cell processes. They break down excess or worn-out cell parts. They may be used to destroy invading viruses and bacteria.

Hence, the correct answer is option B.

89.Currently how many goods are covered in the Wholesale Price Index (WPI)?

- A.697

- B.556

- C.710

- D.220

Ans -A

Explanation:

Wholesale Price Index (WPI) measures the average change in the prices of commodities for bulk sale at the level of early stage of transactions. The

index basket of the WPI covers commodities falling under the three major groups namely Primary Articles, Fuel and Power and Manufactured products. (The index basket of the present 2011-12 series has a total of 697 items including 117 items for Primary Articles, 16 items for Fuel & Power and 564 items for Manufactured Products.) The prices tracked are ex-factory price for manufactured products, mandi price for agricultural commodities and ex-mines prices for minerals. Weights given to each commodity covered in the WPI basket is based on the value of production adjusted for net imports. WPI basket does not cover services.

Hence, the correct answer is option A.

90.**Kangaroo is national animal of which of the following countries?**

- A.New Zealand

- B.United Kingdom

- C.Australia

- D.Malaysia

Ans -C

Explanation:

The national animal of Australia is Red Kangaroo.
Hence, the correct answer is option C.

91.**Which of the following articles of the constitution says that the official language of the Union shall be Hindi in Devanagari script?**

- A.Article 326

- B.Article 368

- C.Article 343
- D.Article 352

Ans -C

Explanation:

Article 343 (1) of the Constitution of India states "The Official Language of the Union government shall be Hindi in Devanagari script." Unless Parliament decided otherwise, the use of English for official purposes was to cease 15 years after the constitution came into effect, i.e. on 26 January 1965.

Hence, the correct answer is option C.

92.**Desktop and personal computers are also known as:**
- A.Supercomputers
- B.Servers
- C.Mainframe
- D.Micro Computer

Ans -D

Explanation:

Micro Computer: The term is used to describe a standard personal computer. Technically, a microcomputer has a CPU, RAM, Sound Card, Modem, video card and is slower than other high performing computers such as a server or a mainframe.

Hence, the correct answer is option D.

93.**Which one of the following is development expenditure?**
- A.Irrigation expenditure
- B.Civil administration
- C.Debt Services
- D.Grant in Aid

Ans -A

Explanation:

Irrigation expenditure is development expenditure.

All expenditures that promote economic growth and development are termed as **development expenditure**. Expenditure on infrastructure development, public enterprises or development of agriculture increase productive capacity in the economy and bring income to the government.

Hence, the correct answer is option A.

94.**The Chilika Bird Sanctuary is located at**

- A.Assam

- B.Odisha

- C.West Bengal

- D.Bihar

Ans -B

Explanation:

Chilika Lake Bird Sanctuary is situated in **Odisha**, towards the south west of Puri. It covers an area of 1100 sq km.

Hence, the correct answer is option B.

95.**Which is the largest Zoo in the World?**

- A.The Toronto Zoo

- B.Berlin Zoological Garden

- C.The Columbus Zoo

- D.The Moscow Zoo

Ans -B

Explanation:

The Berlin Zoological Garden is the oldest and largest zoo in Germany. Opened in 1844 it covers 35 hectares.

Hence, the correct answer is option B.

96.**Who became the king of Syria after the death of Alexander?**

- • A.Antiokus

- • B.Selucus Nicator

- • C.Megastanese

- • D.Dimachus

Ans -B

Explanation:

After the death of Alexander in June 323 BC, **Seleucus Nicator** initially supported Perdiccas, the regent of Alexander's empire and was appointed Commander of the Companions and chiliarch at the Partition of Babylon in 323 BC.

Hence, the correct answer is option B.

97.**The Fundamental Rights in our constitution are inspired by the constitution of**

- • A.United States of America

- • B.United Kingdom

- C.Switzerland

- D.Canada

Ans -A

Explanation:

The Fundamental Rights in our constitution are inspired by the constitution of **United State of America**.

Hence, the correct answer is option A.

98.**For the first time, in which of the following General elections, voting right by the youths at the age of 18 years was exercised?**

- A.1987

- B.1988

- C.1989

- D.1990

Ans -C

Explanation:

Voting right by the youths at the age of 18 years was exercised for the first time in the General Election of 1989.

Hence, the correct answer is option C.

99.**Where is the deepest part of world's ocean located?**

- A.Arctic Ocean

- B.Atlantic Ocean

- C.Indian Ocean

- D.Pacific Ocean

Ans -D

Explanation:

The **Mariana Trench** or **Marianas Trench is the deepest known part of the world's oceans. It is located in the western Pacific Ocean, to the east of the Mariana Islands.** The trench is about 2,550 kilometers long with an average width of 69 kilometers. It reaches a maximum-known depth of 10,994 meters at a small slot-shaped valley in its floor known as the Challenger Deep, at its southern end, although some unrepeated measurements place the deepest portion at 11,034 meters.

Hence, the correct answer is option D.

100.**Kabir was the disciple of:**

- A.Ramananda

- B.Vallabhacharya

- C.Chaitanya

- D.Shankaracharya

Ans -A

Explanation:

Kabir is widely believed to have become one of the many disciples of the Bhakti poet-sant Swami **Ramananda** in Varanasi.

Hence, the correct answer is option A.