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Rajnish Bhatnagar

SSC CGL Pre

Solution

SCP-9I29946II-E



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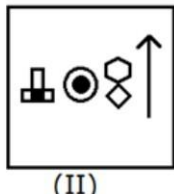
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General Intelligence and Reasoning

1. **Solution: D**
 $2 + 2 = 4$, $4 + 6 = 10$, $10 + 18 = 28$, $28 + 54 = 82$,
 $82 + 162 = 244$
 $2 \times 3 = 6$, $6 \times 3 = 18$, $18 \times 3 = 54$, $54 \times 3 = 162$

2. **Solution: C**
 In each step -
 the figure is shifting its position one step forward.
 So, option figure II will replace the question mark (?).



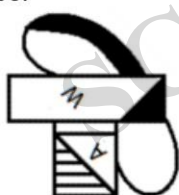
3. **Solution: B**
 Here, the letters are arranged in reverse alphabetical order and duplicate letters are dropped. Hence, option (b) is correct.

4. **Solution: C**
 $12^2 = 144$; $144 - 12 = 132$
 $9^2 = 81$; $81 - 9 = 72$
 Similarly,
 $17^2 = 289$; $289 - 17 = 272$

5. **Solution: A**
 When the figure (I) is rotated 270° clockwise, the figure will be:

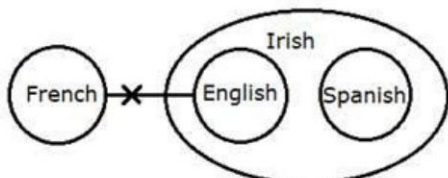


And then, rotated 45° anticlockwise, the figure will be:



Common Mistake: It is asked to move the **option figure** in the question not the question figure.

6. **Solution: D**
 From the given statements, the Venn diagram is:

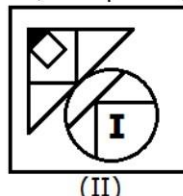


I. Some English is Spanish is a possibility: Here, all English is Irish and all Spanish is Irish. Thus, there is a possibility that some English is Spanish. So, conclusion I is true.

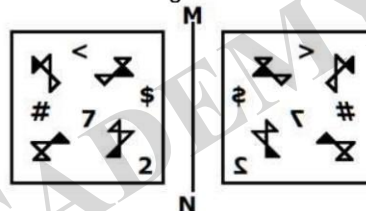
II. Some Irish is not French: Here, some Irish which is English can never be French. So, conclusion II is true.

7. **Solution: C**
 Option figure IV is embedded in the given figure.

8. **Solution: B**
 Water image of figure (A) is written in figure (B).
 Similarly,
 Water image of figure (C) is written in figure (D).
 $R(18) + 4 = V(22)$
 Similarly,
 $E(5) + 4 = I(9)$.
 So, the option figure (II) is related figure (C).



9. **Solution: D**
 The mirror image is -



Thus, the answer is option (d).

10. **Solution: A**
 Here, option (a) is the odd pair.
 a) $(56/84)$ -- $56 + 84 = 140$; $140 \times 2 = 280$
 b) $(34/91)$ -- $34 + 91 = 125$; $125 \times 2 = 250$
 c) $(27/68)$ -- $27 + 68 = 95$; $95 \times 2 = 190$
 d) $(48/75)$ -- $48 + 75 = 123$; $123 \times 2 = 246$

11. **Solution: C**
 $O \partial M \$ V \pounds R$ implies:
 $O(f) = V(m) \text{ --- } R$
 $\downarrow$
 $M(m)$

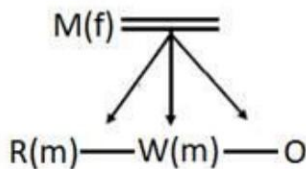
O is the sister - in - law of R, so this option is invalid.

$R \Sigma N \partial W \$ O$ implies:
 $R(m) = N(f) = O(m)$
 $\downarrow$
 $W(m)$

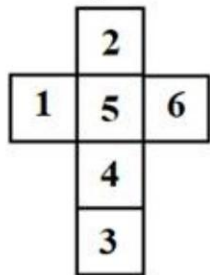
O is the son - in - law of R, so this option is invalid.

$O \$ M \pounds V \Sigma R$ implies:
 $V(m) \text{ --- } M(m)$
 $\downarrow$ $\downarrow$
 R $O(m)$

R is the cousin of O, so this is the correct option.
 $R \pounds W \$ M \partial O$ implies:



12. **Solution: A**
Option (a) IJ~~K~~LIJ~~K~~LMIJ~~K~~LMNIJ~~K~~LMNO
Here, the pattern is:
IJ~~K~~L, IJ~~K~~LM, IJ~~K~~LMN, IJ~~K~~LMNO.
Option (b) IJ~~K~~LI~~O~~KMMNJ~~O~~KMLINKLINO
Here, no definite pattern can be established. So, option (b) is incorrect.
Option (c) IJ~~I~~JIL~~K~~MMKJ~~N~~OMI~~I~~NKLKNO
Here, no definite pattern can be established. So, option (c) is incorrect.
Option (d) IJ~~J~~KIL~~K~~IMNJ~~O~~JMKIL~~K~~LMNO
Here, no definite pattern can be established. So, option (d) is incorrect.
13. **Solution: D**
Here, the pattern is:
For 1st term: B + 1 = C; C + 1 = D; D + 1 = E.
For 2nd term: E + 2 = G; G + 2 = I; I + 2 = K.
For 3rd term: K + 3 = N; N + 3 = Q; Q + 3 = T.
For 4th term: T + 4 = X; X + 4 = B; B + 4 = F.
So, for 5th term: F + 5 = K; K + 5 = P; P + 5 = U.
14. **Solution: B**
In this type of format,



2 lies opposite 4; 1 lies opposite to 6 and 5 lies opposite to 3.

Figure I:
'@' lies opposite 'x'; '%' lies opposite to '&' and '#' lies opposite to '\$'.
Thus, @ is not adjacent to x, % is not adjacent to & and # is not adjacent to \$.
So, figure I is incorrect.

Figure II: '%' lies opposite '\$'; 'x' lies opposite to '@' and '#' lies opposite to '&'.
Thus, % is not adjacent to \$, x is not adjacent to @ and # is not adjacent to &.
So, figure II is correct.

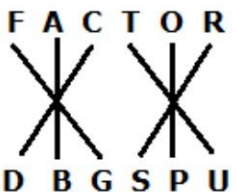
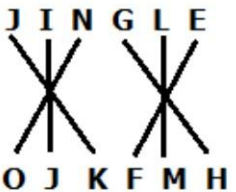
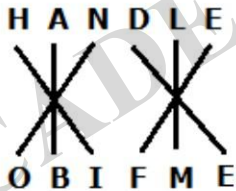
Figure III: 'x' lies opposite '&'; '%' lies opposite to '@' and '\$' lies opposite to '#'.
Thus, x is not adjacent to &, % is not adjacent to @ and \$ is not adjacent to #.
So, figure III is incorrect.

Figure IV: '#' lies opposite '\$'; '&' lies opposite to '%' and '@' lies opposite to 'x'.
Thus, # is not adjacent to \$, & is not adjacent to % and @ is not adjacent to x.
So, figure IV is incorrect.

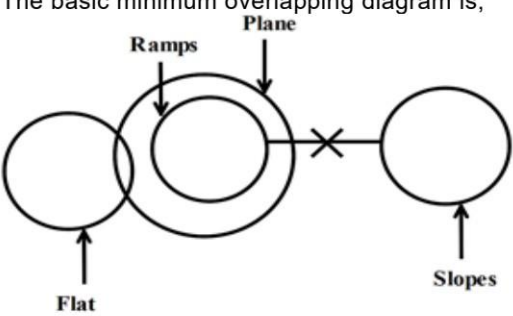
15. **Solution: A**
 ∞ denotes '+', Ψ denotes '-', Ω denotes ' $\div$ ' and Σ denotes ' $\times$ '.
So, the given equation will be:

$$\begin{aligned} 10 + 58 - 96 \times 32 \div 48 &= 2 \times ? - 12 \\ 10 + 58 - 64 &= 2 \times ? - 12 \\ 68 - 64 &= 2 \times ? - 12 \\ 4 &= 2 \times ? - 12 \\ 16 &= 2 \times ? \\ \text{So, } ? &= 16 \div 2 \\ ? &= 8 \end{aligned}$$

16. **Solution: A**
From option (a),
 $(8)^2 - 20 + (28 \div 7) - [\sqrt{4} \times 6] + (2)^2 = 64 - 20 + 4 - 12 + 4 = 40$
From option (b),
 $(6)^2 - 20 + (28 \div 2) - [\sqrt{4} \times 8] + (7)^2 = 36 - 20 + 14 - 16 + 49 = 63$
From option (c),
 $(6)^2 - 20 + (28 \div 7) - [\sqrt{4} \times 2] + (8)^2 = 36 - 20 + 4 - 4 + 64 = 80$
From option (d),
 $(6)^2 - 8 + (28 \div 7) - [\sqrt{4} \times 20] + (2)^2 = 36 - 8 + 4 - 40 + 4 = -4$
17. **Solution: C**
The correct sequence is: 53214.
Vapour, cloud, sky, troposphere, atmosphere.
18. **Solution: A**
This code is coded in the following way:



19. **Solution: D**
The given statements are,
No ramps are slopes. All ramps are plane. Some planes are flat.
The basic minimum overlapping diagram is,



Here, all planes can never be slopes as no ramps are slopes and there is no direct relationship between flats and slopes.

Hence, both conclusions do not follow.

20. **Solution: C**

Except option (c), all follow the same logic as follows:

N - 4 → J - 4 → F - 4 → B (reverse of B = Y)

V - 4 → R - 4 → N - 4 → J (reverse of J = Q)

Q - 4 → M - 4 → I - 4 → E (reverse of E = V)

21. **Solution: B**

IMAGINE : JPBJJQF :: LIBRARY : OJEUBUB

Here, the pattern is:

Each vowel is replaced by immediate next alphabet as per the English alphabetical series.

Each consonant is replaced by next 3rd alphabet as per the English alphabetical series.

So, NUCLEAR : QVFOFBU

22. **Solution: A**

Only eight persons are shorter than Raha. Only ten persons are taller than Savi.

10 persons > Savi > 'n' persons > Raha > 8 persons

If Raha and Savi interchange their positions, then Savi will be the 15th tallest in a row.

10 persons > Raha > 3 persons > Savi (15th tallest) > 8 persons

Three persons are shorter than Raha but taller than Savi.

23. **Solution: A**

Here, the pattern is:

(92, 23, 4): $23 \times 4 = 92$

(155, 31, 5): $31 \times 5 = 155$

Option (a) (142, 71, 2): $71 \times 2 = 142$. So,

option (a) is correct.

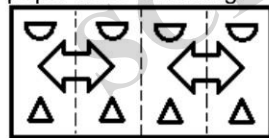
Option (b) (97, 13, 3): $13 \times 3 = 39$. So, option (b) is incorrect.

Option (c) (12, 6, 3): $6 \times 3 = 18$. So, option (c) is incorrect.

Option (d) (74, 9, 8): $9 \times 8 = 72$. So, option (d) is incorrect.

24. **Solution: A**

Option figure (I) appears as the correct form of paper after unfolding.



25. **Solution: C**

$39 \times 7 = 273$ and $39 \times 9 = 351$

And

$23 \times 7 = 161$ and $23 \times 9 = 207$

Similarly, $27 \times 7 = 189$ and $27 \times 9 = 243$

Quantitative Aptitude

26. **Solution: C**

$9m^2 + 4n^2 + p^2 = 30m + 12n + 12p - 70$

$9m^2 + 4n^2 + p^2 = 2(15m + 6n + 6p) - 70$

Now, compare for the values of m, n, and p

$9m^2 = 15m$

$m = 5/3$

And $4n^2 = 6n$

$n = 3/2$

And $p^2 = 6p$

$p = 6$

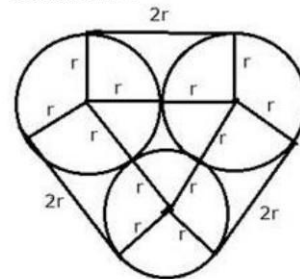
Now,

$(4p - m + 3n)$

$= 4 \times 6 - 5/3 + 3 \times 3/2$

$= 161/6$

27. **Solution: C**



Here, $r = 14$ cm

Length of the strings = Circumference of the circle + $6r$

$= 2 \times 22/7 \times 14 + 6 \times 14$

$= (88 + 84)$ cm

$= 172$ cm

28. **Solution: B**

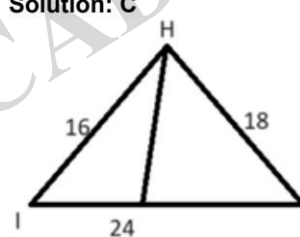
$\frac{\tan 33^\circ}{\cot 57^\circ} + \cos^2 28^\circ + \cos 62^\circ \sin 28^\circ$

$= \frac{\tan 33^\circ}{\cot (90-33)} + \cos^2 28^\circ + \cos (90-28) \sin 28^\circ$

$= \frac{\tan 33^\circ}{\tan 33^\circ} + \cos^2 28^\circ + \sin^2 28^\circ$

$= 1 + 1 = 2$

29. **Solution: C**



Let length of the shorter segment be X cm.

By angle bisector theorem,

$(HI/\text{Shorter segment of IJ}) = (HJ/\text{Larger segment of IJ})$

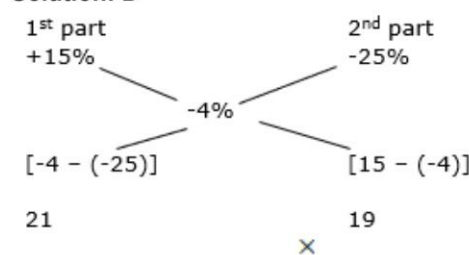
$16/X = 18/(24 - X)$

$192 - 8X = 9X$

$17X = 192$

$X = 192/17 = 11(5/17)$ cm

30. **Solution: D**



The required value = $800 \times 21/40 = 420$ kg

31. **Solution: A**

Let the total number of votes be 1000.

Number of casted votes = $1000 \times 80/100 = 800$

Number of Votes in favor of A = $800 \times 40/100 = 320$

Number of votes in favor of B = $(800 - 320) \times (80/100) = 384$

Number of votes in favor of C = $480 - 384 = 96$

Difference between the number of votes in favor of A and B = 64

Given,
64 = 4800 votes
1 unit = 75 votes
96 units = 7200 votes
So, number of votes obtained by C = 7200

32. **Solution: B**

Let CP of item = 'x'
According to the question:
(1550 - x) = 6 (925 - x)
1550 - x = 5550 - 6x
5x = 4000
x = 800
CP of item = ₹800
SP of item when sold at 5% loss = 95% of 800
= ₹760

33. **Solution: C**

Ratio of speeds = 3: 2
Ratio of time = 2: 3
Given 2 units = 8 hours
1 unit = 4 hours
Required more time taken by the bike to cover the same distance = 4 hours.

34. **Solution: B**

Area of the walls of the room = 2 × height × (length + Width)
= 2 × 3 × (4 + 3)
= 6 × 7 = 42 sq. m
Total cost = Area × rate of painting
= 42 × 15.5 = ₹651

35. **Solution: B**

$$\sqrt{\frac{[0.0144 \times 0.81 \times 0.04 \times 0.036]}{[0.00009 \times 0.00002 \times 5]}}$$

$$= \sqrt{\frac{\frac{144 \times 81 \times 4 \times 36}{10^{11}}}{\frac{9 \times 2 \times 5}{10^{10}}}}$$

$$= \sqrt{\frac{144 \times 81 \times 4 \times 36}{9 \times 2 \times 5 \times 10}}$$

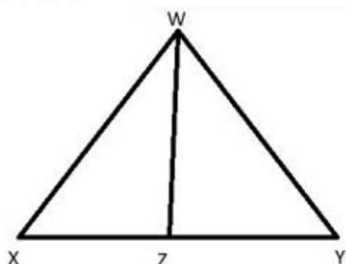
$$= \frac{12 \times 9 \times 2 \times 6}{3 \times 10}$$

$$= \frac{216}{5} = 43.2$$

36. **Solution: B**

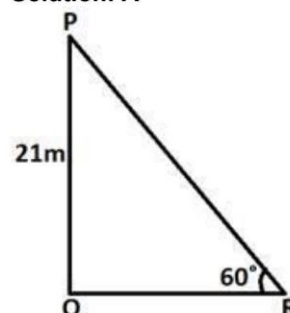
Possible values for digit E = 1, 2, 3, 4
Possible values for digit B = 2, 4, 6 [B = 2E, that's why we did not take values more than 3 for E as 5 × 2 = 10 that is a two - digit number and if we take value of E as 4 then, B = 8, D = 8 + 2 = 10, not possible]
Possible values for digit D = 4, 6, 8 [8 + 2 = 10, not possible]
Possible values for digit C = 2, 3, 4 [2 and 4 are not possible as C is an odd prime number]
Possible values for digit A = 9
Value of D = 2 × 3 = 6
And, value of B = 6 - 2 = 4
Therefore, the number will be 94362, that is divisible by 2 and 3.

37. **Solution: A**



Let, XZ = A cm
YZ = (20 - A) cm
Given, ∠XWZ = ∠YWZ
So, WZ must be the bisector of ∠XWY.
By angle bisector theorem,
WX/XZ = WY/YZ
9/A = 14/ (20 - A)
180 - 9A = 14A
23A = 180
A = 180/23
A = 7.826 = 7.83

38. **Solution: A**



$$\tan 60^\circ = \frac{PQ}{QR}$$

$$QR = \frac{21}{\sqrt{3}}$$

$$QR = 7\sqrt{3}m$$

39. **Solution: B**

Ratio of selling price to cost price at 10.5% loss = 89.5/100 = 895/1000
Ratio of selling price to cost price when merchant uses 179 gm weight instead of 190 gm = 190/179
Net ratio of selling price to cost price = (895/1000) × (190/179)
= 19/20
Required loss% = (1/20) × 100 = 5%

40. **Solution: C**

According to question -
1W + 1M = 1M + 2B = 2W + 3B = 45 days (Given)
After solving above equation -
1W = 2B, 1M = 5B and 1M = 2.5W (1)
Time taken by 2 men, 1 woman and 3 boys working together -
(2M + 1W + 3B) × n = (1W + 1M) × 45
From equation (1) -
(10B + 2B + 3B) × n = (2B + 5B) × 45
n = 21 days

41. **Solution: C**

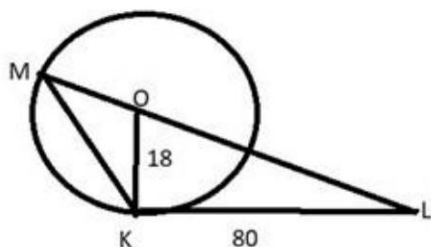
Let, the present age of Neha and Nitu are 7a and 6a respectively.
A/Q
(7a - 2)/ (6a + 4) = 1/1
7a - 2 = 6a + 4
a = 6 years

The present age of Neha = 7a = 7 × 6 = 42 years

42. **Solution: C**

Time taken by Nishu to cover 1360 m = 1360/ [(72/5) × (5/18)] = 340 sec
Time taken by Abhi to cover 1360 m = 1360/ [(48/5) × (5/18)] = 510 sec
Time taken by them to meet again at the starting point = LCM of 340 and 510 = 1020 sec

43. **Solution: C**



$$\angle OKL = 90^\circ$$

In ΔOKL ,

$$OL^2 = 18^2 + 80^2$$

$$OL = \sqrt{6724} = 82 \text{ cm}$$

$$\sin L = OK/OL = 18/82$$

Given,

$$LM = 100 \text{ cm}$$

$$\text{Area of } \Delta KLM = (1/2) \times ML \times KL \times \sin L$$

$$= (1/2) \times 100 \times 80 \times 18/82$$

$$= 40 \times 100 \times 18/82$$

$$= 40 \times 900/41 = 878 \text{ sq.cm}$$

44. Solution: C

Total number of people who play musical instruments from Delhi = $420 \times 100/28 = 1500$

Total number of people who play musical instruments from Bangalore = $850 \times 100/17 = 5000$

So, number of people who play Piano and Drum together from Delhi = $1500 \times (15 + 25)/100 = 600$

And number of people who play Piano and Drum together from Bangalore = $5000 \times (20 + 15)/100 = 1750$

Hence, required average = $(600 + 1750)/2 = 1175$

45. Solution: B

First friend completed the whole work in = 18 days

And second friend completed the whole work in = 36 days

So, Mihir alone can complete the whole work in = $1/(1/18 + 1/36) = 12$ days

46. Solution: C

$$p + \frac{1}{p} = \frac{4}{\sqrt{3}}$$

$$p^2 + \frac{1}{p^2} = \left(p + \frac{1}{p}\right)^2 - 2\left(\frac{4}{\sqrt{3}}\right)^2 - 2$$

$$= \frac{16}{3} - 2 = \frac{10}{3}$$

$$p^4 + \frac{1}{p^4} = \left(p^2 + \frac{1}{p^2}\right)^2 - 2\left(\frac{10}{3}\right)^2 - 2$$

$$= \frac{100}{9} - 2 = \frac{82}{9}$$

47. Solution: A

$$(\sec^2\theta + \tan^2\theta) = 7/12$$

$$(\sec^2\theta + \tan^2\theta)(\sec^2\theta - \tan^2\theta) = (7/12)(\sec^2\theta - \tan^2\theta)$$

$$(\sec^4\theta - \tan^4\theta) = 1 \times 7/12 = 7/12$$

48. Solution: A

$$P + Q + R = 180$$

$$Q + 11 + Q + Q - 5 = 180$$

$$3Q = 174$$

$$Q = 58$$

$$\text{So, } P = 58 + 11 = 69$$

$$R = 58 - 5 = 53$$

$$\text{Therefore, } (P + R)/2 = 122/2 = 61$$

49. Solution: C

Radius of ball A = 2 × diameter of ball B

Radius of ball A = 2 × 2 × radius of ball B

Radius of ball A = 4 × radius of ball B

Radius of ball A/radius of ball B = 4/1

Ratio between the surface areas of ball A and B = $(4/1)^2 = 16:1$

50.

Solution: A

Let the 'Mahindra' company subscribes the business for 'k' rupees

Then capital ratio of three companies are

= Reliance: Tata: Mahindra = $(k + 24000): (k + 10000): k$

Total amount that three companies subscribe = ₹94000 Crore

$$k + 24000 + k + 10000 + k = 96000 \text{ crore}$$

After solving $k = ₹20,000$ crore

Then capital ratio = reliance: tata: Mahindra

$$= 44000: 30000: 20000 = 22:15:10 = \text{Profit ratio}$$

Total Profit = ₹9400 crore

$$\text{Profit of Mahindra company} = 9400 \times (10/47) = ₹2000 \text{ crore}$$

General Awareness

51.

Solution: (B)

Recently, Union Minister for Consumer Affairs, Food and Public Distribution and New and Renewable Energy Pralhad Joshi launched the Credit Guarantee Scheme for e-NWR based pledge financing (CGS-NPF). Its objective is to provide loan facility to small farmers to protect them from distress sale. Under this, loan up to Rs 75 lakh will be given for agricultural purposes and up to Rs 200 lakh for non-agricultural purposes.

52.

Solution: (A)

D Gukesh created history at the age of 18 by defeating China's Ding Liren to win the World Chess Championship 2024 title. Gukesh, who became India's second world champion after Vishwanathan Anand, achieved this feat at the youngest age, breaking Garry Kasparov's record. His victory increased the pride of India.

53.

Solution: (D)

Gati Shakti University (GSU) and the Indian Navy have signed a Memorandum of Understanding (MoU) aimed at enhancing logistics education, research and training. The agreement is designed to improve the logistics capabilities of the Indian Navy and align with national initiatives such as the PM Gati Shakti National Master Plan and the National Logistics Policy 2022.

54.

Solution: D

National Crime Record Bureau (NCRB) was set - up in 1986 to function as a repository of information on crime and criminals so as to assist the investigators in linking crime to the perpetrators. It was set up based on the recommendation of the Task force, 1985 and National Police Commission, 1977 by merging the Directorate of Coordination and Police Computer (DCPC), Inter State Criminals Data Branch of CBI and Central Finger Print Bureau of CBI, Earlier Statistical Branch of Bureau of Police Research and Development (BPR&D) was also merged with NCRB, but was later de - merged.

55.

Solution: C

Rig Veda is the most important and, according to scholars, oldest of the Vedas. It is divided into ten books (called mandalas) and has 1028 hymns in praise of various deities. These include Indra, Agni, Vishnu, Rudra, Varuna, and other early or "Vedic gods." It also contains the famous Gayatri mantra

and the prayer called the Purusha Shukta (the story of Primal Man).

56. **Solution: B**

- Dulhasti Project is built on Chenab River. Some other Projects are -
- Narmada Sagar - Narmada
- Gandhi Sagar - Chambal
- Matatila Project - Betwa
- Ukai Project - Tapi
- Sardar Sarovar Dam - Narmada

57. **Solution: D**

- Gujarat has the longest coast line among the Indian states.
- Gujarat is followed by Tamil Nadu, Andhra Pradesh and Maharashtra.

58. **Solution: B**

Kaundinya Wildlife Sanctuary is a wildlife sanctuary and an elephant reserve situated in Andhra Pradesh, India. It is the only sanctuary in Andhra Pradesh with a population of Asian elephants, which migrated after 200 years from neighboring regions.

59. **Solution: B**

Article 25 gives to all persons the right to freely profess, practice and propagate religion. This right, however, is not absolute. The opening words of Article 25(1) make this right subject to public order, morality, and health. The same restriction also applies to the other provisions of Part III of the Constitution.

60. **Solution: D**

The Charter Act of 1793 extended the trade monopoly of the **Company in India for another period of twenty years**. Other important provisions are: -

- It extended the trade monopoly of the Company in India for another period of twenty years.
- It extended the overriding power given to Lord Cornwallis over his council, to all future Governor - Generals and Governors of Presidencies.
- It gave the Governor - General more powers and control over the governments of the subordinate Presidencies of Bombay and Madras.

61. **Solution: B**

The 'Doctrine of Lapse' was a policy introduced by Lord Dalhousie, who served as the Governor - General of India from 1848 to 1856. The doctrine was implemented as a means for the British East India Company to annex Indian princely states that were deemed to be mismanaged or lacked a direct male heir.

According to this policy, if a ruler of a princely state died without a natural heir, the state would be annexed by the British East India Company rather than allowing the adoption of an heir.

62. **Solution: A**

Article 137 of the Indian Constitution deals with the review of judgments or orders by the Supreme Court. Essentially, it grants the Supreme Court the power to review any judgment or order it has previously pronounced. However, this power is subject to any laws made by Parliament or rules framed under Article 145.

Article 226:

Notwithstanding anything in article 32, every High Court shall have power, throughout the territories in relation to which it exercises jurisdiction, to issue to

any person or authority, including in appropriate cases, any Government, within those territories' directions, orders or writs, including [writs in the nature of habeas corpus, mandamus, prohibition, quo warrant and certiorari, or any of them, for the enforcement of any of the rights conferred by Part III and for any other purpose.]

63. **Solution: B**

Article 18 pertains to Abolition of titles - No title, not being a military or academic distinction, shall be conferred by the State No citizen of India shall accept any title from any foreign State No person who is not a citizen of India shall, while he holds any office of profit or trust under the State, accept without the consent of the President any title from any foreign State No person holding any office of profit or trust under the State shall, without the consent of the President, accept any present, emolument, or office of any kind from or under any foreign State Right to Freedom

64. **Solution: B**

As per Article 108 of Constitution, the **President of India** can summon a Joint session of Parliament.

The joint - session is presided over by the Speaker or, in his absence, by the Deputy Speaker of the Lok Sabha or in his absence, the Deputy - Chairman of the Rajya Sabha.

The provisions for conditions pertaining to the call for joint session is prescribed in Article 108 of the constitution.

65. **Solution: B**

First Woollen textile mill in India - In 1876, at Kanpur.

First Modern jute mill in India - In 1855, at Rishra, Kolkata.

First Cotton textile mill in India - In 1854, at Fort Gloaster, Kolkata.

66. **Solution: D**

'Pari' means shield while 'khanda' refers to sword. Therefore, both shield and sword are used in this art. It was started in **Bihar** by the Rajputs. This fighting form has given birth to a local dance form named "Chhau" dance and its martial elements have been fully absorbed by this dance. It is even practised in some parts of Jharkhand and Odisha.

Chhau is the name of the traditional dance - drama of the eastern regions of India and is of three types. The three forms of "Chhau" are named after the district or village where they are performed, i.e., the Purulia Chau of Bengal, the Seraikella Chau of Bihar and the Mayurbhanj Chau of Orissa.

67. **Solution: A**

Ice hockey is recognized and declared to be the national winter sport of Canada and the game commonly known as lacrosse is recognized and declared to be the national summer sport of **Canada**.

68. **Solution: C**

. Ninth Schedule contains Acts and Regulations of the state legislatures dealing with land reforms and abolition of the zamindari system and of the Parliament dealing with other matters. The laws included under this schedule are not immune to judicial review.

. Provisions related to disqualification of MPs and MLAs on the ground of defection are mentioned under Schedule 10 of the Constitution.

69. **Solution: B**
Article 76 in The Constitution Of India 1949.
Attorney General for India. (1) The President shall appoint a person who is qualified to be appointed a Judge of the Supreme Court to be Attorney General for India.
70. **Solution: D**
India introduced the Liberalization Privatization and Globalization (LPG) reforms in 1991. S Venkitaramanan, a member of the Indian Administrative Service, had served as Finance Secretary and adviser to the Government of Karnataka prior to his appointment as Governor. He served as the governor of RBI from 22 - 12 - 1990 to 21 - 12 - 1992.
71. **Solution: D**
Statement 1 is not correct: The institution of Speaker and Deputy speaker originated under the Government of India Act 1919. Under the Indian Constitution, the Lok Sabha and Legislative Assemblies elect two of its members to be the Speaker and Deputy Speaker, respectively. Apart from the traditional roles with respect to the conduct of business, the Speakers perform two important functions: of certifying a Bill to be a Money Bill (over which the Rajya Sabha/Legislative Council have a limited role), and deciding on disqualification under the Tenth Schedule for defection.
Statement 2 is not correct: The Speaker of the Lok Sabha is provided with security of tenure. He can be removed only by a resolution passed by Lok Sabha by an absolute majority
72. **Solution: A**
During summer, very hot and dry winds blow over North Indian plains. They are locally called 'Loo'. Exposure to these hot winds may cause heat or sun stroke. This is also the season for localized thunderstorms, associated with violent winds, torrential downpours, often accompanied by hail. In **West Bengal**, these storms are known as the 'Kaal Baisakhi' (calamity for the month of Baisakh). Towards the close of the summer season, pre - monsoon showers are common, especially in Kerala and Karnataka. They help in the early ripening of mangoes, and are often referred to as 'mango showers'.
73. **Solution: A**
The Tropical cyclone which appears in the Atlantic Ocean is called Hurricane. Tropical cyclones are violent storms that originate over oceans in tropical areas and move over to the coastal areas bringing about large - scale destruction caused by violent winds, very heavy rainfall and storm surges. This is one of the most devastating natural calamities. **They are known as Cyclones in the Indian Ocean, Hurricanes in the Atlantic, Typhoons in the Western Pacific and South China Sea, and Willy - willies in the Western Australia.**
74. **Solution: B**
After the **Battle of Buxar**, the East India Company became the **real masters of Bengal. Robert Clive introduced the Dual System of Government**, i.e., the rule of the two - the Company and the Nawab in Bengal in which both the Diwani, i.e., collecting revenues, and nizamat, i.e., police and judicial

functions, came under the control of the Company. The Company exercised Diwani rights as the diwan and the Nizamat rights through its right to nominate the deputy Subahdar. The Company acquired the Diwani functions from the Emperor and Nizamat functions from the subahdar of Bengal.

75. **Solution: A**
Sundarban Wetland is the largest Ramsar site of India. Sundarban Wetland is located within the largest mangrove forest in the world, the Sundarbans, that encompasses hundreds of islands and a maze of rivers, rivulets and creeks, in the delta of the Rivers Ganges and Brahmaputra on the Bay of Bengal in India and Bangladesh. The Indian Sundarban, covering the south - westernmost part of the delta, constitutes over 60% of the country's total mangrove forest area and includes 90% of Indian mangrove species.

English Language

76. **Solution: B**
The word 'lesser' is the comparative degree adjective of 'little'. The adjective 'little' is used usually with uncountable nouns. Since the noun 'details' is a plural countable noun, the countable comparative degree adjective 'fewer' should be used here.
Therefore, the error is in the part in option (b).
Hence, option (b) is the correct answer.
The correct sentence is: The authority that clears projects in the shortest period of time, has a high clearance rate, and seeks **fewer** details will be ranked the highest.
77. **Solution: D**
The given sentence is an example of reported speech. Reported speech is speech which tells you what someone said but does not use the person's actual words.
Reported speech is always in past form.
So, 'has' and 'will' in options (a) and (b) make them incorrect.
Option (c) is in the perfect conditional tense. We use it for something that might have happened in the past. Since the given sentence is not conditional, option (c) is incorrect.
So, the underlined phrase can be replaced with option (d) 'he had seen the picture'.
Hence, option (d) is the answer.
The correct sentence is: Abu said that he had seen the picture.
78. **Solution: A**
The subject of the Active Voice is changed into the object of the Passive voice. Also, the object of the Active Voice is changed into the subject of the Passive Voice.
The usage of a "to be" form of the verb [was] is necessary while changing the voice of the sentence from Active to Passive.
In Passive Voice, the preposition "by" is used before the object. However, it is optional in some cases.
The Active voice in this question is in **Past Indefinite**. Thus, the Passive voice will also be in Past Indefinite.
The format of Active voice is: Subject + V2 + Object.

Thus, in Passive voice, the format will be: Object of the active voice (Subjective case) + was/were + V3 + by + Subject of the active voice (Objective case).

For example:

Real Madrid won the Champions League. (Active Voice)

The Champions League was won by Real Madrid. (Passive Voice)

The options except (a) don't follow the correct grammatical format of the Passive Voice.

Therefore, the correct answer is: His bike was stolen by someone.

Hence, option (a) is the correct answer.

79. **Solution: D**

Indigenous - originating or occurring naturally in a particular place; native. Option d is the correct answer.

80. **Solution: A**

The phrase 'scaled the wall' means 'to climb up a wall'. The sentence conveys that they climbed up the wall using rope ladders. The preposition 'by' should be used here to indicate the thing that was used to do something.

Hence, option (a) is the correct answer.

Along: from one part of a road, river, etc. to another.

"A romantic walk along the beach/river."

In: inside a container, place, or area, or surrounded or closed off by something.

"I got stuck in a traffic jam for half an hour."

Of: used to show possession, belonging, or origin.

"A friend of mine."

81. **Solution: B**

The adjective which is generally used with the noun 'smell' is 'strong'. Hence, (b) is the correct answer.

The final sentence would be: The coffee she made has a really strong smell.

82. **Solution: B**

'Astute' means having or showing an ability to accurately assess situations or people and turn this to one's advantage. 'Acute' means having or showing a perceptive understanding or insight. So, the two words can be used as synonyms of each other. Hence, (b) is the correct answer.

Tirelessly - with great effort or energy.

Clues - plural of 'clue' which means a piece of evidence or information used in the detection of a crime or solving of a mystery.

Unravel - investigate and solve or explain (something complicated or puzzling).

Intricate - very complicated or detailed.

Perplexing - completely baffling; very puzzling.

Instincts - innate, typically fixed patterns of behaviour in animals in response to certain stimuli.

83. **Solution: A**

The subject of the Active Voice is changed into the object of the Passive voice. Also, the object of the Active Voice is changed into the subject of the Passive Voice.

The Active voice in this question is in Past Indefinite. Thus, the Passive voice will also be in Past Indefinite.

The format of Active voice is: Subject + V2 + Object.

Thus, in Passive voice, the format will be: Subject (a cruel trick) + was/were + V3 + by + Object (the boys).

Option b) is incorrect as it changes the tense to past continuous. Option c) is incorrect as it changes the tense to simple present. Option d) is incorrect as it changes the tense to past perfect.

Option a) follows the same structure.

Hence, option a) is the right answer.

84. **Solution: C**

'Its' - It is a possessive determiner we use to say that something belongs to or refers to something. Example - Don't judge a book by its cover. (Here, 'its' refers to the book)

'It's' is a contraction of 'it is' or 'it has.' Replace 'its' with 'it's' (it is) to make the sentence grammatically correct.

Hence, option (c) is the correct choice.

85. **Solution: B**

The phrase 'an honest broker' means a disinterested intermediary or mediator.

Usage - The business regulation team will draw up rules of engagement and act as an honest broker between the interest groups.

Hence, (b) is the correct answer.

86. **Solution: C**

In the given sentence, it is mentioned that the scientist used a powerful microscope to observe something that is microscopic. Among the given options, 'cell' fits in the blank appropriately as in biology and microscopy, a "cell" is a fundamental unit of life that is often observed through powerful microscopes, because it cannot be seen by the naked eyes.

The complete sentence is: The scientist observed the microscopic **cell** through a powerful microscope.

Hence, (c) is the correct answer.

A "sale" refers to a transaction involving goods or services, and it is unrelated to microscopy.

A "seal" refers to a marine mammal or a stamp used to mark documents, neither of which is appropriate in this context.

"Sell" - As a noun, it refers to an act of selling or attempting to sell something. It does not fit in contextually.

87. **Solution: D**

held up: rob someone or something using threats or violence.

jump at: accept an opportunity or offer with great eagerness.

lay by: save money

look after: take care of someone or something.

'Held' is the past/past participle form of the verb 'hold'. Here, 'to' is an infinitive marker which requires a base verb after it. So, we cannot use 'held' after the infinitive marker.

Options (b) and (c) do not give the right meaning to the sentence. Hence, they are negated.

The use of 'look after' is completely justified to talk about the 'protection' of the place.

Hence, option (d) is the correct answer.

88. **Solution: C**

'Filicide' means 'the killing of one's son or daughter'.

Hence, option (c) is the answer.

'Regicide' means 'the action of killing a king'.

'Patricide' means 'the killing of one's father'.

'Fratricide' means 'killing of one's brother'.

89. **Solution: A**

The word 'friendly' describes someone who is kind and pleasant. The opposite of 'friendly' is 'hostile', which describes someone who is unfriendly and antagonistic.

Hence, option (a) is the correct answer.

Hostile: unfriendly; antagonistic.

Amiable: having or displaying a friendly and pleasant manner.

Affable: friendly, good - natured, or easy to talk to.

Congenial: pleasing or liked on account of having qualities or interests that are similar to one's own.

90. **Solution: B**

Option (b) has been spelt incorrectly. The correct spelling is 'recommend' which means to suggest or endorse. Hence, (b) is the correct answer.

'Usually' means most of the time.

'Surprise' means something unexpected.

'Shining' means emitting light.

91. **Solution: C**

'Plutocracy' means 'government by the wealthy'.

Hence, option (c) is the answer.

'Autocracy' means 'a system of government by one person with absolute power'.

'Oligarchy' means 'a small group of people having control of a country or organization'.

'Monarchy' means 'a form of government in which a person, the monarch, is head of state for life or until abdication'.

92. **Solution: A**

The appropriate idiom for the given meaning is 'hit the sack', which effectively implies going to bed and sleeping after a tiring day. The idiom 'hit the sack' means to go to bed to sleep. The phrases in options (b) and (c) are not common English idioms and do not convey the intended meaning. The idiom in option (d) means to begin studying or reading intensively. It does not convey the idea of going to bed and sleeping, making it an incorrect choice for the given context. Hence, (a) is the correct answer.

93. **Solution: A**

Resist - To withstand the action or effect of; to refrain from yielding to.

Capitulate - To surrender or give in to an opponent; to cease resisting.

Captivate - To attract and hold the interest or attention of; to enchant.

Conspire - To secretly plan together to commit an unlawful or harmful act.

Destroy - To cause the ruin or downfall of; to demolish or eliminate.

So, the appropriate antonym of the given word is 'capitulate'. Hence, (a) is the correct answer.

94. **Solution: D**

Sentence C comes first as it is an independent sentence and introduces us to the scheme 'Kerala Savari'. A follows C as it further talks about the scheme. So, CA is a pair. The pair DB talks about the emergency button in that order ('D' introduces the concept of panic button and 'B' further elaborates it). Therefore, CADB becomes the correct order among the given options.

Hence, option (d) is the correct answer.

95. **Solution: A**

The incorrectly spelt word is 'modernity' which is mentioned in option (a).

'Modernity' is the correctly spelt word which means the condition of being new and modern.

Hence, option (a) is correct.

96. **Solution: D**

The passage discusses the importance of financial literacy in today's world. 'Complex' means intricate, complicated, or composed of interconnected parts. In the context of financial literacy, the world is described as complex, indicating that it involves intricate and interconnected financial systems. Therefore, "Complex" is the most appropriate option for blank number 1. Hence, (d) is the correct answer.

The rest of the options don't fit in contextually.

97. **Solution: D**

The passage discusses the importance of financial literacy in today's world and highlights how understanding basic financial concepts enables individuals to make informed decisions about saving, investing, and budgeting. The missing word in blank number 2 needs to convey the idea that understanding these financial concepts gives individuals the ability or strength to make informed decisions. 'Empowers' means to give someone the authority or power to do something. In the context of financial literacy, empowering individuals to make informed decisions about their finances is fitting and aligns with the overall message of the passage. Hence, (d) is the correct answer.

The rest of the options don't fit in contextually.

98. **Solution: C**

In the financial context, a "scheme" often refers to a plan or program, especially one intended to deceive or trick someone. "Predatory schemes" would imply deceptive or harmful practices that individuals need to be aware of. Hence, (c) is the correct answer.

The rest of the options don't fit in contextually.

99. **Solution: B**

Among the given options, 'stable' fits the blank appropriately. Financial literacy is expected to lead to a stable future. A stable future aligns with the idea of economic security and responsible financial management. Hence, (b) is the correct answer.

The rest of the options don't fit in contextually.

100. **Solution: A**

The context of the passage is centred around financial literacy, so the most appropriate option would be something related to financial aspects. Among the options, "Money" is the most relevant term to complete the sentence. The passage discusses the importance of financial education for managing money wisely and achieving a financially stable and prosperous community. Hence, (a) is the correct answer.

The rest of the options don't fit in contextually.