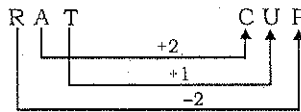
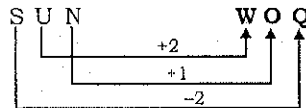


Ssc Solution & Answer

- (B) Radio was invented by Marconi and Calculator was invented by **Pascal**.
- (B) $4^2 \times 2 = 32$
 $5^2 \times 2 = 50$
- (C) As,

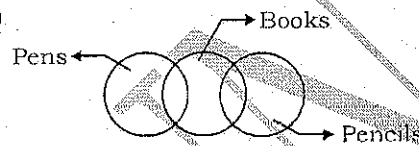


Similarly,



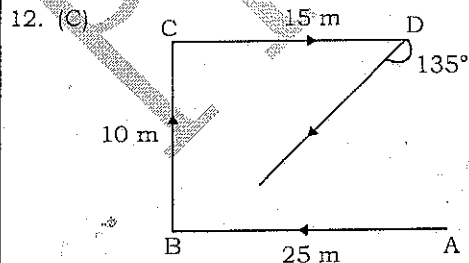
- (C) Only **64** is the number whose square root and cube root can be found.
- (D) D $\xrightarrow{\text{reverse}}$ W
H $\xrightarrow{\text{reverse}}$ S
L $\xrightarrow{\text{reverse}}$ O
G $\xrightarrow{\text{not a reverse}}$ U

- (C) Only, **Sky** is the word without vowels.
- (B) $4 \rightarrow 3 \rightarrow 1 \rightarrow 6 \rightarrow 2 \rightarrow 5$
- (D)



None of the four follow

- (C) Hospital consists of Doctor and Patient, but doctor and patient are two different entity.
- (C) Required Age = $80 + (3 \times 3) = 89$
- (A) Brother of mother means maternal uncle. Hence, only nephew of Aamir's maternal uncle means Aamir himself. Therefore, Sonia is the **wife** of Aamir.



Hence, she is going in the South-West direction.

- (C) In these two positions one of the common face having 1 point is in the same position. There will be 2 points opposite to the face containing 5 points.

- (C) $(12 + 5)(12 - 5) = 17 \times 7 = 119$
 $(9 + 6)(9 - 6) = 15 \times 3 = 45$
 $(18 + 3)(18 - 3) = 21 \times 15 = 315$

- (B) $(2 + 4)^3 = 6^3 = 216$
 $(8 + 7)^2 = 15^2 = 225$
 $(18 + 9)^1 = 27^1 = 27$
 $(7 + 5)^3 = 12^3 = 1728$

- (C) HCF (12, 48, 16) = 4 $\Rightarrow 4 \times 10 = 40$
HCF (24, 27, 36) = 3 $\Rightarrow 3 \times 10 = 30$
HCF (18, 24, 30) = 6 $\Rightarrow 6 \times 10 = 60$

- (B) The number of squares in the given figure.
 $= (1^2 + 2^2 + 3^2 + 4^2) = 30$

- (C) There will be 3 dots opposite to 5 dots.

- (C) $2 \rightarrow 3 \rightarrow 6 \rightarrow 36 \rightarrow 1296$
 $(2 \times 3) \quad (2 \times 3 \times 6) \quad (2 \times 3 \times 6 \times 36)$

- (C) $\frac{1^2+2}{3} \quad \frac{3^2+3}{12} \quad \frac{5^2+4}{29} \quad \frac{7^2+5}{54} \quad \frac{9^2+6}{87} \quad \frac{11^2+7}{128}$

- (C)
- (C)
- (C)

- (B)

F	R	I	E	N	D
6	18	9	5	14	4
sum					
56%					

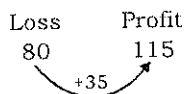
L	O	V	E
12	15	22	5
sum			
54%			

M	A	R	R	I	A	G	E
13	1	18	18	9	1	7	5
sum							
72%							

A	T	T	I	T	U	D	E
1	20	20	9	20	21	4	5
sum							
100%							

- (B)
- (A) Narinder Batra has become the first Indian to be elected the President of the International Hockey Federation (FIH). He succeeds Spaniard Leandro Negre, who has been the FIH chief since 2008. Batra, who is the president of Hockey India, has become the 12th FIH President and the first Asian to grab the post.
- (A) Idukki is a hydro-electric project of Kerala. So, the 'I' option is not correct. The Idukki Dam is a double curvature arch dam

52. (B) Let SP = 100



$$\therefore 35 \longrightarrow 105$$

$$\therefore 1 \longrightarrow 3$$

$$\therefore 100 \longrightarrow 300$$

53. (C) Listed price = ₹ 1400
After 1st discount

$$= \frac{90}{100} \times 1400$$

$$= ₹ 1260$$

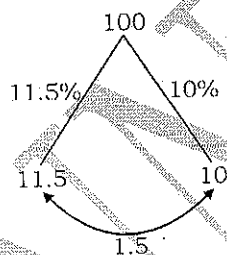
$$SP = ₹ 1200$$

Additional discount %

$$= \frac{1260 - 1200}{1260} \times 100$$

$$= \frac{100}{21} \% = 4\frac{16}{21} \%$$

54. (D) Let the sum = 100 units



According to question,

$$1.5 \text{ units} = 75$$

$$\therefore 1 \text{ unit} = \frac{75}{1.5}$$

$$\therefore 100 \text{ units} = \frac{75}{1.5} \times 100 = ₹ 5000$$

55. (B) According to the question,

Principal = ₹ S

Rate = $2r\%$ p.a

Time = 3 years

$$\therefore A = P \left(1 + \frac{R}{100} \right)^T$$

$$A = S \left(1 + \frac{2r}{100} \right)^3$$

$$A = S \left(1 + \frac{r}{50} \right)^3$$

56. (A) $A + B + C = 196$

$$A : B : C$$

$$\begin{array}{r} 2 : 3 : 3 \\ \times 5 \\ \hline 10 : 15 : 24 \end{array}$$

$$10x + 15x + 24x = 49x$$

$$49x = 196$$

$$x = 4$$

\therefore second number (B)

$$= 4 \times 15$$

$$= 60$$

57. (A) Let their monthly income be ₹ $8x$ and ₹ $5x$
According to the question

$$\frac{8x - 12000}{5x - 10000} = \frac{5}{3}$$

$$\Rightarrow 24x - 36000 = 25x - 50000$$

$$x = 14000$$

Difference in monthly income

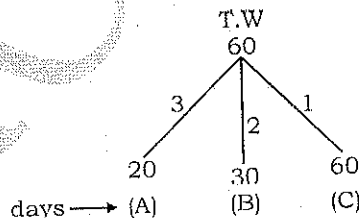
$$8x - 5x = 3x$$

$$x = 14000$$

$$\therefore 3x = 14000 \times 3$$

$$= ₹ 42,000$$

58. (C)



in 3 days cycle total work done is
 $= 3 + 3 + 6 = 12$ units

work will be completed in $= \frac{60}{12} = 5$ cycles

1 cycle \rightarrow 3 days

5 cycle $\rightarrow 3 \times 5 = 15$ days

59. (D) 1 sec \rightarrow 1 drop

No. of second in 300 days

$$(24 \text{ hrs} \times 60 \text{ min} \times 60 \text{ sec}) \times 300 \text{ days}$$

No. of litres wasted

$$\frac{300 \times 24 \times 60 \times 60}{6 \times 1000} \text{ litres}$$

$$= 4320 \text{ litres}$$

60. (B) Speed = 78 km/hr

$$= \frac{78}{60} \times 1000 \text{ m/min}$$

$$= 1300 \text{ m/min}$$

Distance travelled in 1 min

$$= 1300 \text{ m}$$

$$= 1300 = l + 800$$

$$l = 500 \text{ m}$$

length of tunnel is 500 m

(SSC Ans Key on 2nd Dec - 16)

- | | | | |
|---------|---------|---------|----------|
| 1. (B) | 26. (C) | 51. (B) | 76. (C) |
| 2. (B) | 27. (A) | 52. (B) | 77. (B) |
| 3. (C) | 28. (A) | 53. (C) | 78. (C) |
| 4. (C) | 29. (C) | 54. (D) | 79. (B) |
| 5. (D) | 30. (A) | 55. (B) | 80. (A) |
| 6. (C) | 31. (B) | 56. (A) | 81. (A) |
| 7. (B) | 32. (D) | 57. (A) | 82. (A) |
| 8. (D) | 33. (D) | 58. (C) | 83. (A) |
| 9. (C) | 34. (B) | 59. (D) | 84. (A) |
| 10. (C) | 35. (B) | 60. (B) | 85. (C) |
| 11. (A) | 36. (D) | 61. (C) | 86. (B) |
| 12. (C) | 37. (C) | 62. (B) | 87. (C) |
| 13. (C) | 38. (B) | 63. (D) | 88. (B) |
| 14. (C) | 39. (A) | 64. (A) | 89. (A) |
| 15. (B) | 40. (C) | 65. (A) | 90. (C) |
| 16. (C) | 41. (C) | 66. (A) | 91. (D) |
| 17. (B) | 42. (A) | 67. (A) | 92. (B) |
| 18. (C) | 43. (A) | 68. (A) | 93. (B) |
| 19. (C) | 44. (A) | 69. (D) | 94. (C) |
| 20. (C) | 45. (D) | 70. (C) | 95. (A) |
| 21. (C) | 46. (A) | 71. (A) | 96. (D) |
| 22. (C) | 47. (A) | 72. (C) | 97. (C) |
| 23. (C) | 48. (C) | 73. (D) | 98. (C) |
| 24. (B) | 49. (B) | 74. (A) | 99. (B) |
| 25. (B) | 50. (C) | 75. (B) | 100. (C) |