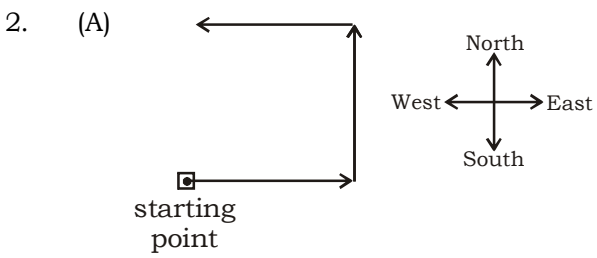


**RRB MOCK TEST-6 (Solution)**

1. (D) C A M E L  
       ↓ ↓ ↓ ↓ ↓  
       X P O G T  
   R A B B I T S  
       ↓ ↓ ↓ ↓ ↓ ↓ ↓  
       Y P V V L E Z  
   Therefore,  
   A M E R I C A  
       ↓ ↓ ↓ ↓ ↓ ↓ ↓  
       P O G Y L X P

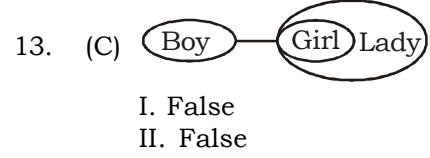
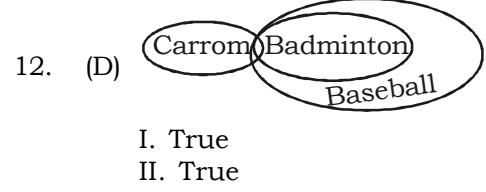
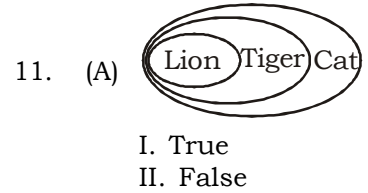


It is clear from the diagram that the man was moving towards East.

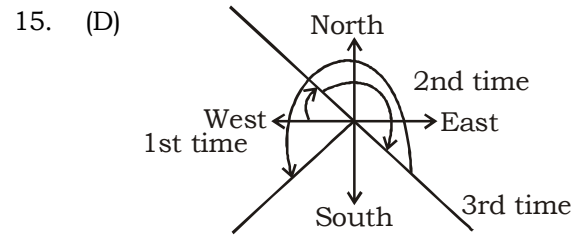
3. (B)  $X > Y > Z$  .....(i)  
 $Y > P > Q > Z$  .....(ii)  
 From equations (i) and (ii),  
 $X > Y > P > Q > Z$   
 Z is the weakest among all of them.
4. (D) Except chocolate all are made from flour.
5. (D) Clearly, the first and second letters of each term are moved five steps backward to obtain the corresponding letters of the next term.
6. (B) First Figure  
 $5 + 4 = 9$   
 $5 \times 4 = 20$   
 Second Figure  
 $3 + 8 = 11$   
 $3 \times 8 = 24$   
 Third Figure  
 $9 + 4 = 13$   
 $9 \times 4 = 36$
7. (D) From statement I  
 The son of D is grandson of C.  
 C is either father or mother of D.  
 B is the child of C.  
 The gender of B is not known.  
 From statement II  
 B is sister of D.  
 From both the statements  
 B is the daughter of C.
8. (D)  $15 \times 5 \div 3 + 1 - 1 \Rightarrow$  changing sign  
 $15 \div 5 - 3 \times 1 + 1 = 3 - 3 + 1 = 1$

9. (C) Woman  $\rightarrow$  mother  $\xrightarrow{\text{mother}}$  mother  
 $\rightarrow$  Son. So, woman is his maternal nephew

10. (C)  
 $\frac{5 \times 4 \times 6}{10} = 12$   
 $\frac{6 \times 5 \times 7}{10} = 21; \frac{4 \times 10 \times 8}{10} = 32$

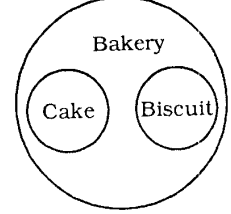


14. (B) First figure  
 $(9 + 3) - (7 + 3) = 4$   
 First figure  
 $(12 + 13) - (8 + 9) = 8$   
 Third figure  
 $(20 + 13) - (7 + 6) = 20$



Now he is in the direction of South-West

16. (B) Cake is different from biscuit. But both are prepared in bakery.



17. (C) Arrangement of words as per dictionary:  
4. Eugenics  
    ↓  
2. Eupepsy  
    ↓  
3. Euphonies  
    ↓  
5. Euphony  
    ↓  
1. Euphrasy
18. (C) The numbers 3, 4, 5 and 6 are on the faces adjacent to the number 1.  
So, the number 2 lies opposite 1.
19. (B)  $\boxed{a} \boxed{b} / ab / a \boxed{b} \boxed{a} / b / a \boxed{b} ab$
20. (A)  $\boxed{A} D V E N T U R E$   
    ↓  
    D V E N T U R  $\boxed{E}$   
    ↓  
    V E N T U  $\boxed{R}$   
    ↓  
    V E N T U
21. (B)  $D \xrightarrow{+3} G \xrightarrow{+4} K$   
 $L \xrightarrow{+3} O \xrightarrow{+4} S$   
 $E \xrightarrow{+3} H \xrightarrow{+4} L$
22. (D)
- ```

      E(-)
      |
      D(+)
     / \
    Grand-daughter
   /     \
  A(-)     B
   \     /
    C(-)
    |
    B
    
```
23. (B)
24. (B) The letter 'S' is present in all the three squares.
25. (A) UNIT
26. (D) When a train crosses a person, it covers its own length.  
Speed of train = 54 kmph  
 $= \left(54 \times \frac{5}{18}\right) \text{m/sec} = 15 \text{m/sec.}$   
∴ Length of train =  $15 \times 10 = 150 \text{metre}$
27. (C) Minimum passing marks =  $x$   
 $\therefore \frac{103x}{100} = 515$   
 $\Rightarrow x = \frac{515 \times 100}{103} = 500$   
Mohan's marks = 710

- ∴ Required percentage  
 $= \frac{710 - 500}{500} \times 100$   
 $= \frac{210}{5} = 42\%$
28. (B)  $\frac{3}{4} = 0.75; \frac{1}{2} = 0.50; \frac{7}{8} = 0.875;$   
 $\frac{8}{13} = 0.62$
29. (A) Required answer  
 $= (100 - 2.5)\% \text{ of } 300$   
 $= \frac{300 \times 97.5}{100} = 292.5$
30. (A) Let the number of sides be  $n$ .  
According to the question,  
 $\frac{2n - 4}{n} \times 90^\circ = \frac{8 \times 360^\circ}{n}$   
 $\Rightarrow 2n - 4 = 32 \Rightarrow 2n = 36 \Rightarrow n = 18$
31. (B) No. of total required men =  $x$   
 $\therefore \frac{7 \times 12}{1} = \frac{8x}{2} \quad \therefore x = 21$   
∴ No. of extra men =  $21 - 7 = 14$
32. (C) By question,  
 $(50 + x) = 2(22 + x)$   
 $\Rightarrow 50 + x = 44 + 2x$   
 $\Rightarrow x = 6 \text{ years.}$
33. (C)  $[0.9 - \{2.3 - 3.2 - (7.1 - 5.4 - 3.5)\}]$   
 $= [0.9 - \{2.3 - 3.2 + 1.8\}]$   
 $= [0.9 - 0.9] = 0$
34. (A)  $20\% = \frac{1}{5}$   
 $\frac{5}{5} \quad \frac{4}{4}$   
 $\frac{5}{5} \quad \frac{4}{4}$   
 $\frac{5}{125} \quad \frac{4}{64}$   
 $\quad \quad \quad \underbrace{\hspace{2cm}}_{61}$   
∴ Required decrease % =  $\frac{61}{125} \times 100$   
 $= 48.8\%$
35. (B) Part of the tank filled by both pipes in 1 hour.  
 $= \frac{1}{4} - \frac{1}{6} = \frac{6 - 4}{24} = \frac{1}{12} \text{ Part}$   
Hence, the tank will be filled in 12 hours.
36. (C) The side of square will be the diameter of circle.  
So, radius ( $r$ ) =  $\frac{21}{2} \text{ cm.}$   
∴ Area of the circle =  $\pi r^2$

$$= \frac{22}{7} \times \left(\frac{21}{2} \text{ cm}\right)^2$$

$$= \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} \text{ cm}^2$$

$$= \frac{693}{2} \text{ cm}^2 = 346.5 \text{ cm}^2$$

37. (D) Deposited amount in bank  
= (100 - 45 - 25) % of 17500

$$= 17500 \times \frac{30}{100} = ₹ 5250$$

38. (B) Let both numbers are  $3x$  and  $4x$ .  
So, the L.C.M. of both =  $12x$ .  
So,  $12x = 240 \therefore x = 20$

$$\therefore \text{Smaller number} = 3x = 3 \times 20 = 60$$

39. (B) Required average

$$5 \times 15 + 8 \times 20 + 11 \times 22 + 20 \times 24 +$$

$$= \frac{23 \times 25 + 18 \times 30 + 13 \times 33 + 2 \times 38}{100}$$

$$= \frac{75 + 160 + 242 + 480 + 575 + 540 + 429 + 76}{100}$$

$$= \frac{2577}{100} = 25.77$$

40. (B) Rate =  $\frac{\text{S.I} \times 100}{\text{Principal} \times \text{Time}}$

$$= \frac{300 \times 100}{5000 \times 2} = 3\% \text{ per annum}$$

41. (D)  $3 \times 2 = 6$

$$6 \times 3 = 18$$

$$18 \times 4 = 72$$

$$72 \times 5 = 360$$

$$360 \times 6 = 2160$$

42. (D)  $? = \left(\frac{81}{169}\right)^{-\frac{1}{2}} = \left(\frac{169}{81}\right)^{\frac{1}{2}}$

$$= \left(\frac{13}{9}\right)^{2 \times \frac{1}{2}} = \frac{13}{9}$$

43. (A) Let time taken by B be  $x$  days.

$$\therefore \text{Time taken by A} = \frac{150x}{100} \text{ days}$$

$$= \frac{3x}{2} \text{ days}$$

According to the question,

$$\frac{1}{x} + \frac{2}{3x} = \frac{1}{18}$$

$$\Rightarrow 3x = 18 \times 5$$

$$\Rightarrow x = \frac{18 \times 5}{3} = 30 \text{ days}$$

44. (A) Let the numbers be  $x$  and  $y$  respectively.

ATQ,

$$(x + y) = 4(x - y)$$

$$\Rightarrow x + y = 4x - 4y$$

$$\Rightarrow 5y = 3x$$

$$\Rightarrow \frac{x}{y} = \frac{5}{3}$$

$\therefore$  Numbers are (5, 3).

45. (B) S.P. of 70 kg of potato = ₹ (6.50 × 70)  
= ₹ 455

$$\text{Profit} = ₹ (455 - 420) = ₹ 35$$

$$\therefore \text{Profit Percent} = \frac{35}{420} \times 100$$

$$= \frac{25}{3} = 8\frac{1}{3}\%$$

46. (B) Let C. P. = ₹ 100.

Now, C. P. of shopkeeper = ₹ 90.

and S.P of shopkeeper = ₹ 110

$$\therefore \% \text{ profit} = \frac{20}{90} \times 100$$

$$= 22\frac{2}{9}\%$$

Infinite such numbers are possible.

47. (C) Speed downstream = (13 + 4) km/hr  
= 17 km/hr.

Time taken to travel 68 km downstream

$$= \frac{68}{17} = 4 \text{ hours}$$

48. (B) Required ratio =  $\frac{980}{1120} = \frac{7}{8} = 7 : 8$

49. (\*) Total number of students in College B  
= 5610

Total number of students in College D  
= 5598

$$\therefore \text{Required difference} = 5610 - 5598 = 12$$

50. (D) Average number of students in College

$$E = \frac{5880}{6} = 980$$

**RRB MOCK TEST - 6 (ANSWER KEY)**

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