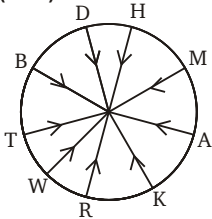


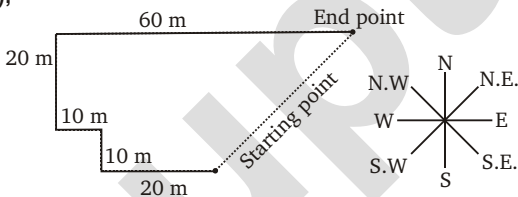
## RRB MOCK-2 SOLUTION

- (d)  
Q U < I C = K  
**Conclusions :** I. U > K False  
II. Q < C True
- (a) ;  
T = A < X S; E < X  
T = A < X > E  
E < X S  
**Conclusions :** I. T < S True  
II. T > E False
- (d) ; H Y P = E > R  
**Conclusions :** I. E H False  
II. Y > R True
- (e) ; J = U N E  
**Conclusions :** I. J E Either I or II  
II. E J
- (b) ; D < O N > K Y  
**Conclusions :** I. D > K False  
II. Y < O False

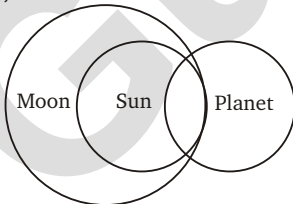
Ans. (6-10) :



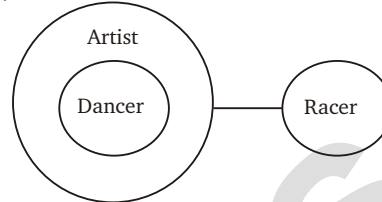
- 6.(b); 7.(e); 8.(c); 9.(a); 10.(e);  
11.(b);



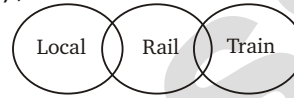
12.(e);



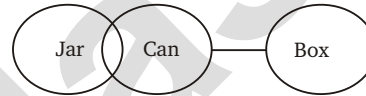
13.(a);



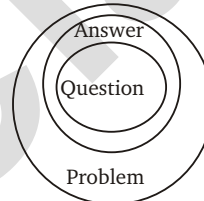
14.(a) ;



15.(a);



16.(e);



Ans. (17-21)

- 17.(a); 18.(b); 19.(b); 20.(a); 21.(a);  
22.(c);

23.(b);

ABCDEFZYXWVU  
ABCDEZYXUV  
ABCDEZYXWV  
**A**

24.(c);

R > P > S > Q > T

25. (a);

6 9 1 4 3 8 7 5

In descending order 9 8 7 6 5 4 3 1

26.(a);

4 2 7 3 1 6 5 8

Ascending order from left to right

1 2 3 4 5 **6 7 8**

Required unchanged numbers = 2, 6 and 8

27.(a);

On deleting all the numbers from the given arrangement

W % G H # K \$ L ? B M J © E @ Z

28. (c); W % **9** 3 G 6 H # **7** K \$ L 2 B M J © **4** 5 E 8 @ Z

29. (e);

As, 9W GH#

\$7 2BM

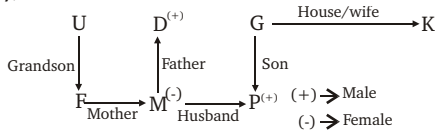
Similarly, 4 J E@Z

30. (c); W % 9 3 G 6 H # 7 K \$ L 2 B M J @ 4 5 E 8 @ Z

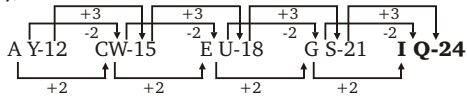
31. (b); On deleting all the symbols from the given arrangement

W 9 3 G 6 H 7 K L 2 B M J 4 5 E 8 Z

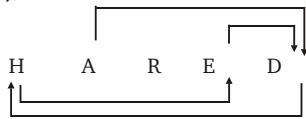
32. (a);



33. (b);



34. (d);



Required pairs = {EH, AD, DE, DH}

35. (d);

INSTRUCTION

1 2 3 4 5 6 7 8 9 10 11

Meaningful word = SOUR

Second letter from right side = U

36. (a); According to question,

821	2	1	2
<b>547</b>	4	7	28
452	5	2	10
935	3	5	15
368	6	8	48

37. (a); According to question,

<b>821</b>	8	2	6
547	5	4	1
452	5	4	1
<b>935</b>	9	3	6
368	6	3	3

38. (e); Arranging in ascending order we have,

128 457 245 359 368

Second highest number = 368

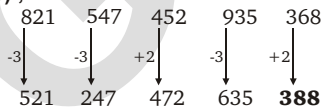
Required sum = 6 + 8 = 14

39. (a); Interchanging according to question,

128 745 **254** 539 863

required number = **452**

40. (e);



41. (a); Let the cost price of the article = Rs. x

According to question,

590	x	2(x	245)
590	x	2x	490
3x	1080		
x	Rs. 360/-		

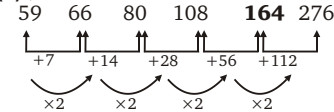
Required selling price

$$360 \frac{120}{100} 432 /$$

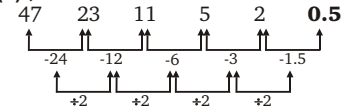
42. (b);



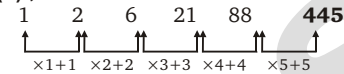
43. (c);



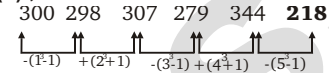
44. (e);



45. (d);



46. (b);



47. (b); Let the sum invested in scheme B = x

According to question,

$$(800 - x) \left(1 + \frac{10}{100}\right)^2 + (800 - x) \left(x + \frac{20}{100}\right)^2 = 260$$

$$(800 - x) \frac{11}{10} + 1 + x \frac{6}{5} + 1 = 260$$

$$(800 - x) \frac{21}{100} + x \frac{11}{15} = 260$$

$$168 \frac{21x}{100} + \frac{11x}{25} = 260$$

$$\frac{44x + 21x}{100} = 260 - 168$$

$$23x = 92 \implies x = 400$$

48. (d);

Gain percentage  $\frac{17}{36} \times 100 = 47.22\%$

Gain percentage  $\frac{24}{50} \times 100 = 48\%$

Gain percentage  $\frac{19}{40} \times 100 = 47.5\%$

Gain percentage  $\frac{29}{60} \times 100 = 48.33\%$

49. (a)

Distance covered by person in 90 min

$$120 \frac{90}{60} = 180 \text{ km}$$

Required speed  $\frac{180}{\frac{4}{3}} = \frac{180 \times 3}{4} = 135 \text{ km/h}$

50. (c); Let the side of square field = a metre

Area of square field ( $a^2 = 50625$ )

- $a = 225\text{ m}$   
 Perimeter of square field =  $4a$   
 $4 \times 225 = 900\text{ m}$   
 Required cost =  $900 \times 15 = \text{Rs. } 13,500/-$
- 51. (c) ;** Circumference of circle =  $572$   
 $2 \times \frac{22}{7} \times r = 572$   
 $r = \frac{572 \times 7}{22 \times 2}$   
 $r = 91\text{ m}$
- Length of the rectangular auditorium =  $91 \times 6 = 97\text{ m}$   
 Perimeter of rectangular auditorium =  $2(l + b)$   
 $356 = 2(97 + b)$   
 $178 = 97 + b$   
 $b = 178 - 97 = 81\text{ m}$
- Area of rectangular auditorium =  $l \times b$   
 $97 \times 81 = 7857\text{ m}^2$
- Cost of flooring the auditorium =  $12 \times 7857 = \text{Rs. } 94,284 /-$
- 52. (c) ;** Total weight of 38 students =  $38 \times 44 = 1672\text{ kg}$   
 Total weight of (38 + 12) students =  $50 \times 48.68 = 2434\text{ kg}$   
 Weight of 12 new students =  $2434 - 1672 = 762\text{ kg}$   
 Required average weight =  $\frac{762}{12} = 63.5\text{ kg}$
- 53. (c) ;** Let Radhika's present age be  $3x$  years and Komal's present age be  $2x$  years.  
 According to question,  
 $2x = 22$   
 $x = 11$  years  
 Radhika's present age =  $3 \times 11 = 33$  years  
 Then, Radhika's age five years ago =  $33 - 5 = 28$  years  
 Sonal's age 4 years hence =  $28$  years  
 So, Sonal's present age =  $28 - 4 = 24$  years
- 54. (b) ;**  
 Participating students =  $302$   
 Participating boys =  $138$   
 Participating girls =  $302 - 138 = 164$

- Participating boys =  $138$   
 Participating girls =  $164$
- Let the total number of boys be  $x$ .  
 $\frac{3}{7}x = 138$   
 $x = 322$
- Let the total number of girls be  $y$ .  
 $\frac{4}{9}y = 164$   
 $y = 369$
- Total numbers of students in primary school =  $322 + 369 = 691$
- 55. (b) ;**  
 A alone can finish the work in  $30$  days  
 $\frac{30}{12} = 2.5$   
 $2.5 \times 12 = 30$  days
- 56. (a) ;** A : B = 7 : 9  
 B : C = 18 : 11  
 A : B : C = 7 : 18 : 9  
 $126 : 162 : 99$   
 $14 : 18 : 11$   
 C's share of profit =  $\frac{11}{43} \times 15050 = \text{Rs. } 3,850 /-$
- 57. (a) ;**  
 Required percentage =  $\frac{164}{80} \times 100 = 205\%$   
 $\frac{84}{80} \times 100 = 105\%$
- 58. (a) ;**  
 Required number =  $120 \times \frac{95}{100} = 114$   
 $70 \times \frac{90}{100} = 63$   
 $177$
- 59. (c) ;**  
 Required difference =  $(88 - 109) = -21$   
 $(69 - 55) = 14$   
 $197 - 124 = 73$
- 60. (e) ;**  
 Required ratio =  $(100 - 89) : (95 - 112) = 11 : -17$   
 $189 : 207 = 21 : 23$
- 61. (e) ;**  
 Required average =  $\frac{56 + 79 + 147}{3} = 80.67$   
 $\frac{282}{3} = 94$
- 62. (e) ;**  
 $\frac{120}{100} \times 750 = 900$   
 $\frac{1}{25} \times 1240 = 49.6$   
 $16 \times \frac{?}{100} = 1240 \times \frac{1}{31}$   
 $36 \times 16 \times \frac{4}{10} = ?$   
 $? = 50$
- 63. (a) ;**  
 $\frac{2}{5} \times 1 \times \frac{1}{15} \times \frac{1}{4} = ? \times \frac{2}{3}$

- $\frac{2}{5} \frac{16}{15} \frac{1}{4} ? \frac{2}{3}$   
 $\frac{2}{5} \frac{15}{16} \frac{1}{4} ? \frac{2}{3}$   
 $\frac{3}{8} \frac{1}{4} ? \frac{2}{3}$   
 $\frac{1}{8} ? \frac{2}{3}$   
 $? \frac{1}{8} \frac{2}{3}$   
 $? \frac{3}{24} \frac{16}{24} \frac{19}{24}$
64. (d) ;
- $? \frac{15}{1000} 4600 \frac{28}{100} 2000 109$   
 $? 69 56 109 16$
65. (e) ;
- 764 13 34 ?  
? 2208
66. (c) ;
- $\frac{1}{(4^4)^4} \frac{3}{5} ?$   
 $\frac{3}{5} \frac{4}{5} \frac{3}{5} ?$   
 $\frac{8}{100} \frac{5}{24} ?$   
 $40 ? \frac{19}{10} 1 \frac{9}{10}$
67. (c) ;
- $? \frac{512}{1440} \frac{25}{1440} \frac{3}{26 \frac{2}{3}}$
68. (d) ;
- $\sqrt{36} 18 32 ? 3$   
 $144 3 ?$   
 $? 48$
69. (a) ;
- $\frac{24}{?} \frac{35}{7} 120$
70. (e) ;
- $? \frac{0.512}{0.512} \frac{0.064}{0.448}$   
 $? \frac{4.576}{7} \frac{7}{9}$
71. (d) ;
- $? \frac{3786}{126.2} 3$
72. (d) ;
- $(2^3 2^4 2^8 2^9) 2^? 2^0$

- $(2^7 2^8 2^9) 2^0$   
 $\frac{2^7 2^9}{2^8} 2^? 2^0$   
 $(2^7 \cdot 9 \cdot 8) 2^? 2^0$   
 $\frac{2^8}{2^?} 2^0$   
 $\frac{2^8}{2^0} 2^?$   
 $2^8 \cdot 0 2^?$   
 $? 8$
73. (e) ;
- $\frac{1}{5} \frac{11}{13} \frac{39}{55} 1200 562 ?$   
 $\frac{514800}{3575} 562 ?$   
 $? 562 144$   
 $? 418$
74. (d) ;
- $59 30 72 ?$   
 $29 72 ?$   
 $x 43$
75. (b) ;
- $? \frac{80}{11} \frac{25}{11} \frac{55}{11} 5$
76. (a) ;
- $\frac{1472}{?} 325 965$   
 $? \frac{1472}{640} 23$
77. (e) ;
- Required minimum passing percentage  
 $\frac{480}{1200} \frac{96}{1200} 100 48\%$
78. (a) ; Let the length of rectangle be x  
 Breadth of rectangle  
 $x 7$   
 Perimeter of rectangle  
 $2(l + b)$   
 $2(x + x + 7)$   
 $50 4x 14$   
 $x 16 \text{ cm}$   
 Area of rectangle  $16 \cdot 9 = 144 \text{ sq cm}$
79. (a) ;
- Required number  $(L.C.M. \text{ of } 8, 12, 14) + 6$   
 $168 + 6 = 174$
80. (c) ;
- Required number of tigers  
 $720 \frac{115}{100} = 828$