IBPS RRB Clerk 2020 Prelims Memory-based Questions with Solution

DOWNLOAD PDF

Direction (1-5): Study the following data carefully and answer the questions accordingly.

Certain number of people are seated in a row facing the north direction. Three people sit between F and A who sits third from the end. B sits second to the right of F. D sits to the immediate right of B . Two people sit between D and C . One person sits between C and G who sits third from the end. C does not sit at the end of the row.

1. How many people sit between F and G?
A. Six
B. Five
C. Seven
D. Nine
E. None

2. What is the position of A with respect to B?
A. Sixth to the left
B. Third to the right
C. Immediate Left
D. Fifth to the right
E. None of the above

3. Who amongst the following sits seventh to the right of A?
A. C
B. B
C. D
D. G
E. None of the above

4. Who amongst the following persons sits exactly between F and C?
A. F
B. D
C. B
D. G
E. None of the above

5. Who amongst the following sits fifth from the right end?
A. C
B. F
C. A
D. G
E. None of the above

6. How many such pairs of letters are there in the word '**MATCHES**' each of which has as many letters between them in the word as in the English alphabet (Both forward and backward)?
A. One
B. Two
C. Three
D. More than three
E. None

7. If 2 is subtracted from each odd digit in the number **34827956** and 1 is added to each even digit in the number, then how many digits will not appear twice in the new number so obtained?
A. Only 1
B. Both 1 and 9
C. Both 1 and 3
D. Only 7
E. Only 9

Direction (8-12): Study the following data carefully and answer the questions accordingly.

Six people A, B, C, D, E and F were born in three different months i.e. January, February and March and on different dates i.e. 7 and 12 of the months but not necessarily in the same order.

B was born on an even numbered date of the month having 31 days. Number of people born before C is same as the number of people born after B . One person was born between C and D . A was born before D . E was born just before F.

8. Who amongst the following was born just after A?
A. F
B. C
C. D
D. B
E. None of the above

9. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?
A. C
B. F
C. B
D. E
E. A

10. Who amongst the following was born on 7th February?
A. C   B. D
C. F   D. B
E. None of the above

11. How many people were born between C and B?
A. Three
B. More than three
C. Two
D. One
E. None

12. How many people were born after D?
A. Two
B. One
C. Three
D. Four
E. None

Direction (13-17): In the question below are given three statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow(s) from the given statements disregarding commonly known facts.

13. **Statements:**
Only a few Gas are Fuel
All Fuel are petrol
Some Petrol are Diesel
Conclusions:
I. Some Fuel are Diesel
II. Some Gas are not Fuel
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Neither I nor II follows
E. Both I and II follow

14.**Statements:**
Only a few Gas are Fuel
All Fuel are petrol
Some Petrol are Diesel
Conclusions:
I. Some Diesel are Fuel
II. No Diesel is Fuel
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Neither I nor II follows
E. Both I and II follow

15.**Statements:**
No Page is Paper
All Paper is Sheet
Only a few Sheet is Board
Conclusions:
I. Some Sheet are not page
II. Some Board are not sheet
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Neither I nor II follows
E. Both I and II follow

16.**Statements:**
No Page is Paper
All Paper is Sheet
Only a few Sheet is Board
Conclusions:
I. Some Paper is not Board
II. Some Sheet is not Board
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Neither I nor II follows
E. Both I and II follow

17.**Statements:**
Some Money is Cash
All Bank is Money
All Cash is Locker
Conclusions:
I. Some Bank Can be Locker
II. All Locker being Money is a possibility
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Neither I nor II follows
E. Both I and II follow

18.If all the letters in the word 'MIXTURE' are arranged in an alphabetical order, then how many letter(s) remain(s) at the same position?
A. One
B. Two
C. None
D. Three
E. More than three

Direction (19-21): Study the information given below and answer the questions based on it.
8 A 9 C F 4 3 2 M 8 P Q 7 2 R 1 S 9 5 N 4 H 9 B 4 9 6 P A 5

19. How many letters are there in the series each of which is immediately preceded by an odd number and immediately followed by an even number?
A. Three
B. One
C. None
D. Two
E. Four

20. What is the sum of the third number from the left end and sixth number from the right end?
A. 13
B. 8
C. 6
D. 11
E. None of the above

21. If all the odd numbers are dropped from the series, then which of the following elements is eighth from the right end?
A. 4
B. R
C. S
D. N
E. Q

Direction (22-26): Study the following data carefully and answer the questions accordingly.

Eight people A, B, C, D, E, F, G and H sit in a square shaped table. Four people sit at the corners of the table and four people sit in the middle of the four sides. People sit at the corners of the table are facing outside the table and people sit in the middle of the sides are facing inside the table.

F sits second to the right of E . Three people sit between F and G. D sits second to the left of G. C is a neighbour D . C does not sit adjacent to G. A sits second to the right of C who sits opposite to B . H does not sit at the corner of the table.

22. Who among the following sits third to the right of H?
A. E
B. F
C. B
D. A
E. None of the above

23. What is the position of H with respect to F?
A. Immediate left
B. Fourth to the left
C. Third to the right
D. Second to the right
E. None of the above

24. Who sits exactly between E and G when counted from left of E?
A. B
B. A
C. H
D. F
E. None of the above

25. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?
A. A   B. C
C. H   D. G
E. B

26. According to the information, which of the following statements is/are true?
A. G sits to the immediate right of H
B. A sits adjacent to E
C. C sits opposite to E
D. F faces towards the center
E. None is true

Direction (27-28): Study the following data carefully and answer the questions accordingly.

Five People A, B, C, D and E have different weights. C is lighter than E but heavier than A. A is not lightest. B is just lighter than E. The weight of the lightest person is 65kg.

27. Who amongst the following is just lighter than C?
A. A
B. D
C. E
D. Either A or D
E. Cannot be determined

28. If the weight of C is 80kg, then what could be the possible weight of A?
A. 75
B. 63
C. 82
D. 90
E. None of the above

Direction (29-31): Study the following data carefully and answer the questions accordingly.

There are six people in a three-generation family in which two are married couples. D is the spouse of F who has only one child. A is the brother-in-law F. C is the father of A. E is the granddaughter of B who has only two sons. ###DONE###

29. What is the relation of A with respect to E?
A. Father
B. Uncle
C. Aunt
D. Mother
E. None of the above

30. How many male members are there in the family?
A. Two
B. Four
C. Three
D. Cannot be determined
E. Either three or two

31. Who amongst the following is the grandfather of E?
A. C
B. A
C. D
D. B
E. None of the above

Direction (32-36): Study the following data carefully and answer the questions accordingly.

Seven people viz. A, B, C, D, E, F and G sit in a row. All of them are facing towards the north. Two people sit between G and A. Neither G nor A sits at the end of the row. D sits second to the right of G. B is a neighbour of D. E sits second to the left of B. F sits to the immediate left of C.

32. Which of the following pairs sit at the end of the row?
A. E-A
B. F-C
C. E-C
D. F-G
E. G-C

33.Who amongst the following sits third to the left of A?
A. E
B. B
C. G
D. C
E. None of the above

34.What is the position of D from the left end?
A. Third
B. Second
C. Sixth
D. Fourth
E. First

35.How many people sit between B and C?
A. One
B. Three
C. None
D. Five
E. Four

36.What is the position of A with respect to C?
A. Second to the left
B. Immediate right
C. Immediate left
D. Third to the right
E. None of the above

Direction (37-40): Study the following data carefully and answer the questions accordingly.

Point P is 5m to the north of Point Q. Point S is 5m west of Point R. Point M is 6m south of Point R. Point T is 12m south of Point S. Point Q is 8m west of Point T.

37. What is the shortest distance between Point R and Point T?
A. 13m
B. 15m
C. 22m
D. 18m
E. None of the above

38.What is the direction of Point M with respect to Point P?
A. North
B. East
C. North East
D. North West
E. South East

39.What is the total distance between P and S?
A. 23m
B. 25m
C. 16m
D. 20m
E. None of the above

40.What is the direction of Point Q with respect to Point M?
A. South East
B. South
C. North
D. South West
E. None of the above

41.If 12 women complete a work in 64 days, in how many days will 16 women complete two-third of the work?
A. 24 days
B. 32 days
C. 48 days
D. 16 days
E. 36 days

42.At present, P is 4 years elder than Q. If after 2 years the ratio of the ages of P and Q will be 5 : 4, then what will be the age of Q after 2 years?
A. 8 years
B. 16 years
C. 20 years
D. 24 years
E. 10 years

43.Two people A and B spend 30% of their income, if their total expenditure is Rs. 26400 and the income of A is 20% more than B, what is the income of B?
A. Rs. 40000
B. Rs. 36000
C. Rs. 24000
D. Rs. 30000
E. Rs. 48000

44.Two people A and B invest equal amount in a scheme for t and (t + 4) years respectively. If the ratio of the simple interest earned by A and B is 1 : 2, then what is the value of t?
A. 8   B. 1
C. 2   D. 4
E. 5

45.A train travelling at the speed of 72 kmph passes a pole in 30 seconds. In how much time will the same train pass the same pole if it is travelling at the speed of 54 kmph?
A. 36 seconds
B. 40 seconds
C. 24 seconds
D. 48 seconds
E. 60 seconds

Direction (46-50): What should come in place of the question mark (?) in the following questions?

46. 50% of 24% of ? = 6
A. 25
B. 35
C. 40
D. 50
E. None of these

47.$\sqrt{400} + (5 + 2)^2 = ?$
A. 469
B. 49
C. 449
D. 59
E. 69

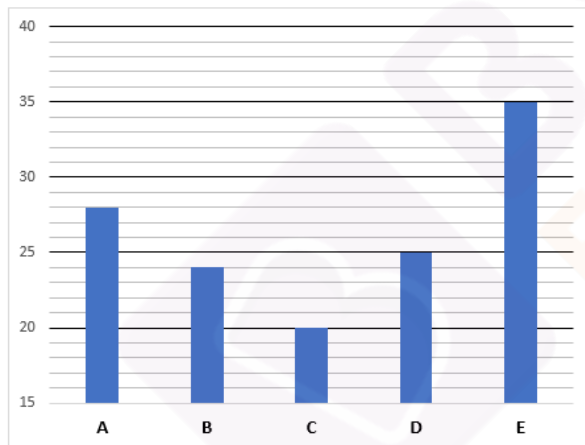48.$\sqrt{? \times 8} = \frac{1}{2}$ of 16^2
A. 256
B. 512
C. 2048
D. 4096
E. 1024

49. $192 \times 4 = ?^2 - \sqrt{256}$
A. 28
B. 26
C. 24
D. 30
E. 32

50. $18\frac{1}{2} - 2\frac{1}{4} + 3^3 = ?$
A. 45.25
B. 44.75
C. 44.25
D. 43.25
E. 42.25

Direction (51-55): Read the data carefully and answer the questions. The bar graph given below shows the number of TV shows watched by five different families - A, B, C, D and E in a month.

51. What is the total number of TV shows watched by the five families together in the month?
A. 130   B. 140
C. 132   D. 131
E. 135

52. What is the sum of the difference of the number of TV shows watched by families A and C and the difference of the number of TV shows watched by families B and D?
A. 12
B. 10
C. 8
D. 7
E. 9

53. What is the ratio of the average of the number of TV shows watched by families C, A and B to the average of the number of TV shows watched by families D and E?
A. 6 : 5
B. 5 : 6
C. 4 : 5
D. 5 : 4
E. None of these

54. The difference between the number of TV shows watched by families A and C is what percentage of the sum of the number of TV shows watched by families D and E together?

A. $6\frac{2}{3}\%$

B. $13\frac{1}{3}\%$

C. 20%

D. $33\frac{1}{3}\%$

E. 40%

55. The number of TV shows watched by family B is what percentage more than the difference of the average of the number of TV shows watched by families D and C and half of the number of TV shows watched by family E?
A. 380%
B. 420%
C. 240 %
D. 190 %
E. None of these

56. 24 + 22 ÷ 0.25 = ? × 28
A. 2
B. 4
C. 6
D. 8
E. 10

57. 31.5 ÷ 3.5 × 12 − 8 = ?
A. 92
B. 96
C. 88
D. 84
E. None of these

58. $2^4 \times 3^3 \div (96 \div ?) = \sqrt{324}$
A. 4
B. 8
C. 16
D. 32
E. 64

59. $(4\frac{1}{8} + 6) \times 16 = ? \times 9$
A. 6   B. 9
C. 12   D. 18
E. 24

60. $\sqrt{484} + \sqrt{?} = \sqrt{2304}$
A. 256
B. 196
C. 676
D. 324
E. 529

Direction (61-65): Read the data carefully and answer the questions. The table given below shows the data of the number of clothes dry cleaned by four different shops - L, M, N and O on the five working days - Monday, Tuesday, Wednesday, Thursday and Friday.

Shop/Days	Monday	Tuesday	Wednesday	Thursday	Friday
L	50	60	85	25	110
M	80	75	95	120	105
N	100	55	35	60	45
O	40	90	60	115	70

61. What is the ratio of sum of the number of clothes dry cleaned by M on Tuesday and Wednesday and sum of the number of clothes dry cleaned by L on Wednesday and Thursday?
A. 17 : 11   B. 17 : 10
C. 16 : 9   D. 11 : 17
E. 10 : 17

62. What is the difference between the sum of the number of clothes dry cleaned by O on Monday and Thursday and the difference of the number of clothes cleaned by N on Monday and Wednesday?
A. 80   B. 70
C. 60   D. 90
E. 100

63. The sum of the number of clothes dry cleaned by N on Tuesday, Wednesday and Thursday is what percentage of the clothes dry cleaned by O on all the days?
A. 30%
B. 40%
C. 50%
D. 55%
E. 60%

64. Which of the following days had the most number of clothes dry cleaned by all the shops together?
A. Monday
B. Tuesday
C. Wednesday
D. Thursday
E. Friday

65. What is the number of shops who dry cleaned more number of clothes than O on all the days put together?
A. 0
B. 1
C. 2
D. 3
E. Cannot be determined

66. $4\frac{2}{3} \times \frac{2}{7} + ? = 9$
A. $5\frac{1}{21}$
B. $6\frac{1}{3}$
C. $7\frac{2}{3}$
D. $5\frac{2}{7}$
E. $2\frac{1}{7}$

67. $299 \div 13 \times ? = 127 - 35$
A. 4
B. 2
C. 5
D. 3
E. 1

68. $38^2 + 5^2 - 173 = 6^?$
A. 5
B. 4
C. 8
D. 2
E. 6

69. $4225 \div (? + 17) = 13^2$
A. 6
B. 8
C. 3
D. 18
E. 13

70. $?$ % of $450 + 1740 = 2100$
A. 40
B. 60
C. 80
D. 72
E. 75

71. Price of an article is marked up 50% above the cost price. If the discount offered on the article is Rs. 50 and the profit earned is also Rs. 50, what is the marked price of the article?
A. Rs. 200
B. Rs. 240
C. Rs. 300
D. Rs. 450
E. Rs. 600

72.A boat travels upstream at the speed of 10 km/hr for t hours and downstream at the speed of 14 km/hr for 6 hours. If the distance travelled in downstream direction is 44 km more than that in upstream direction, then what is the value of t?
A. 7
B. 2
C. 3
D. 4
E. 6

73.A and B start a business by investing Rs. X and Rs. (X + 800) respectively. After 1 year, A earned a profit of Rs. 3200 out of the total profit of Rs. 6800, then what is the value of X?
A. 3200
B. 4000
C. 6400
D. 7200
E. 8000

74.The circumference of a circle is 2 cm more than the perimeter of rectangle and the length of rectangle is equal to the diameter of circle. If the breadth of rectangle is half of the diameter of the circle, what is the radius of the circle? $\left(\pi = \frac{22}{7}\right)$
A. 7 cm
B. 2 cm
C. 4 cm
D. 14 cm
E. 21 cm

75.The sum of the ages of A and B after 10 years would be 106 years. If the age of A, 6 years before is equal to the age of B, 16 years hence, then what is the present age of A?
A. 32 years
B. 48 years
C. 54 years
D. 62 years
E. 66 years

Direction (76-80): What should come in place of the question mark '?' in the following number series?

76. 3, 12, 37, 86, 167, ?
A. 198
B. 208
C. 228
D. 288
E. 298

77.1920, ?, 24, 4, 1, 0.5
A. 192
B. 240
C. 144
D. 288
E. 196

78.100, 119, 81, 138, ?
A. 112
B. 108
C. 71
D. 84
E. 62

79.1.1, ?, 3.9, 5.6, 7.5
A. 1.8
B. 2.8
C. 2.4
D. 2.1
E. 2.2
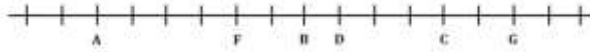
80.7, 15, 31, ?, 127, 255
A. 62
B. 63
C. 64
D. 68
E. 84

ANSWERS

1. Ans. C.
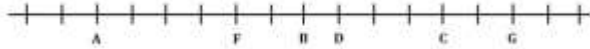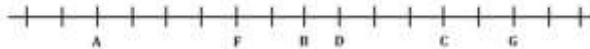

2. Ans. A.
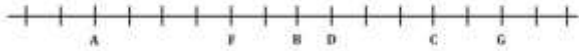
3. Ans. C.

4. Ans. B.

5. Ans. A.

6. Ans. D.
MATCHES
There are four such pairs: M-S, A-C, A-E and C-E.

7. Ans. B.
Original Word: **34827956**
After Applying given condition:
1**5**9**3**5737

8. Ans. C.

	7th	12th
January	C	A
February	D	E
March	F	B

9. Ans. D.

	7th	12th
January	C	A
February	D	E
March	F	B

10. Ans. B.

	7th	12th
January	C	A
February	D	E
March	F	B

11. Ans. B.

	7th	12th
January	C	A
February	D	E
March	F	B

12. Ans. C.

	7th	12th
January	C	A
February	D	E
March	F	B

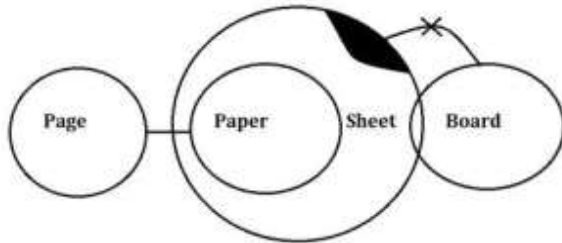**13. Ans. B.**
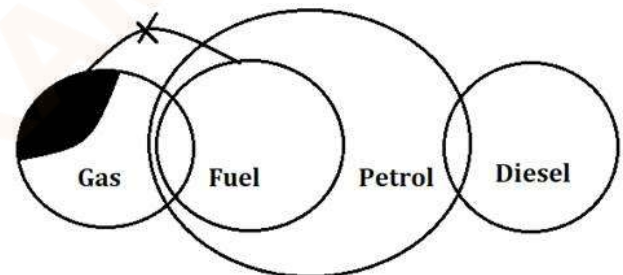
14. Ans. C.
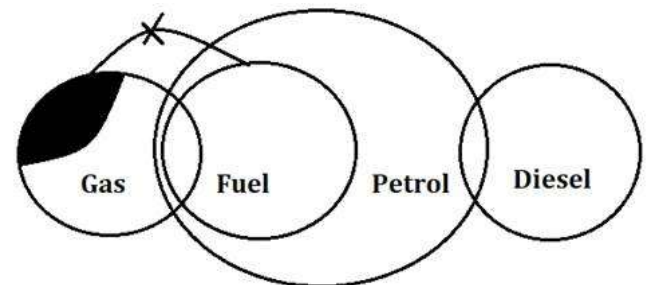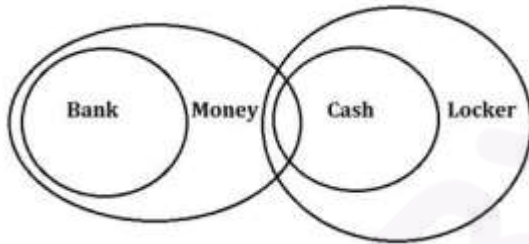
15. Ans. A.
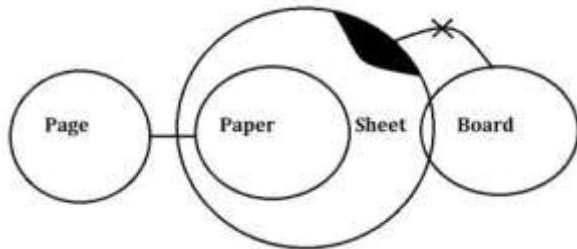
16. Ans. B.

17. Ans. E.

18. Ans. A.
Word: MIXTURE
After applying condition: EIMRTUX
Hence, only I remains at the same position.

19. Ans. D.
8 A 9 C F 4 3 2 M 8 P Q 7 2 R 1 S 9
5 N 4 H **9 B 4** 9 6 P A 5
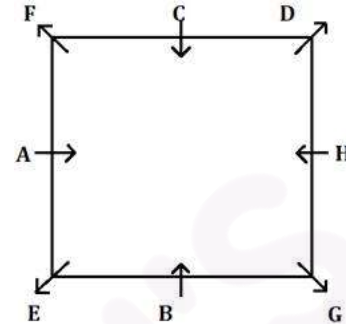Hence, option D is the correct answer.

20. Ans. B.
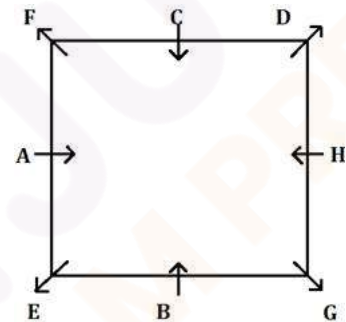8 A 9 C F **4** 3 2 M 8 P Q 7 2 R 1 S 9
5 N **4** H 9 B 4 9 6 P A 5

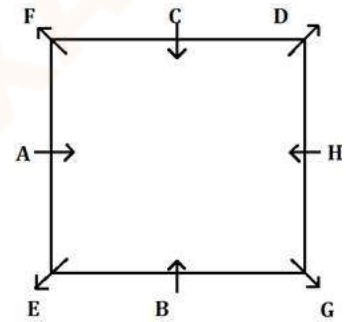**21. Ans. D.**
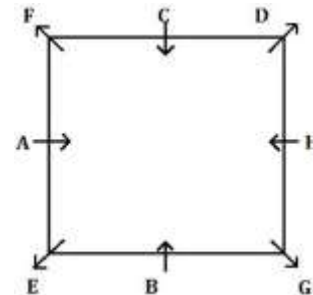8 A C F 4 2 M 8 P Q 2 R S **N** 4 H B 4
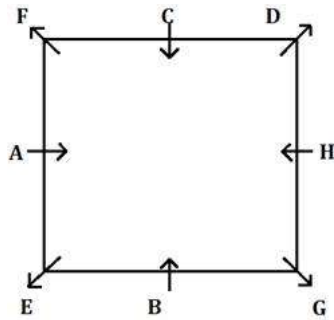6 P A

22. Ans. B.

23. Ans. C.

24. Ans. A.

25. Ans. D.
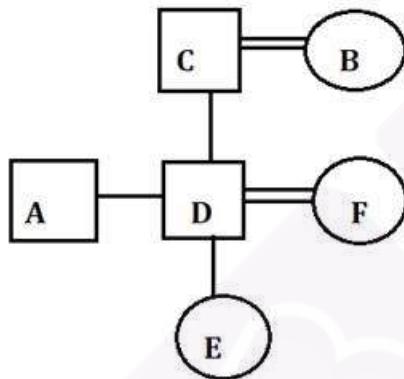
26. Ans. B.

27. Ans. A.
E > B > C > A > D
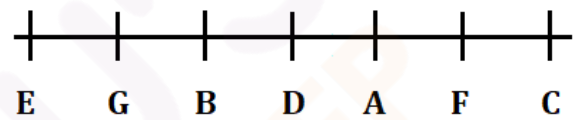 65

28. Ans. A.
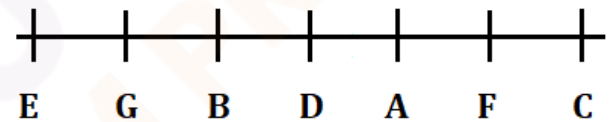E > B > C > A > D
 65

29. Ans. B.

30. Ans. C.

31. Ans. A.

32. Ans. C.

E G B D A F C

33. Ans. C.

E G B D A F C

34. Ans. D.

E G B D A F C

35. Ans. B.

E G B D A F C

36. Ans. A.

E G B D A F C

37. Ans. A.

```
        S    5m    R
        ┌──────────┐
        │           6m
        │
    12m │
  P     │         M
  │     │     ╱ 13m
  5m    │   ╱
  │     │ ╱
  └──────┘
     8m  T
  Q
```

38. Ans. C.

```
        S    5m    R
        ┌──────────┐
        │
        │          6m
        │
    12m │
  P     │        M
  │     │
  5m    │
  │     └──────┐
  Q       8m   T
```

39. Ans. B.

```
          S    5m    R
          ┌──────────┐
          │
          │          6m
          │
      12m │
    P     │        M
    │     │
    5m    │
    │     └──────┐
    Q       8m   T
```

40. Ans. D.

```
        S    5m    R
        ┌──────────┐
        │           6m
        │
    12m │         M
  P     │
  │     │
  5m    │
  │     └──────┐
  Q       8m   T
```
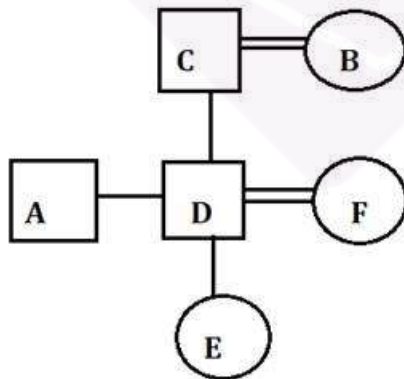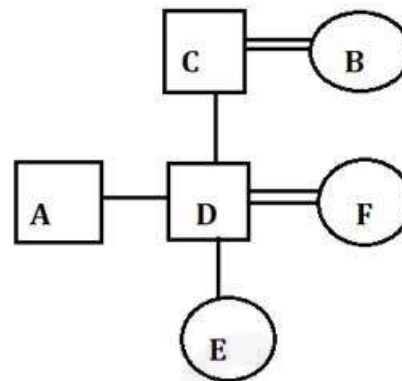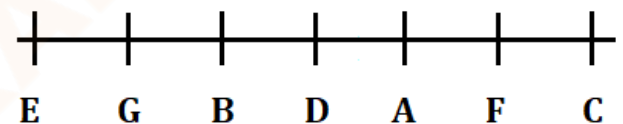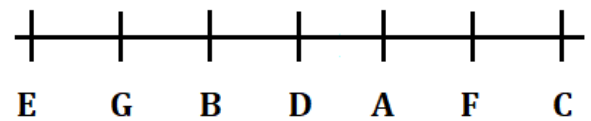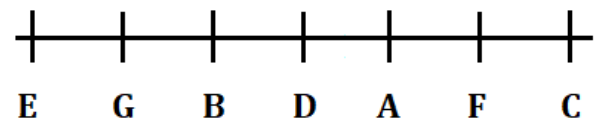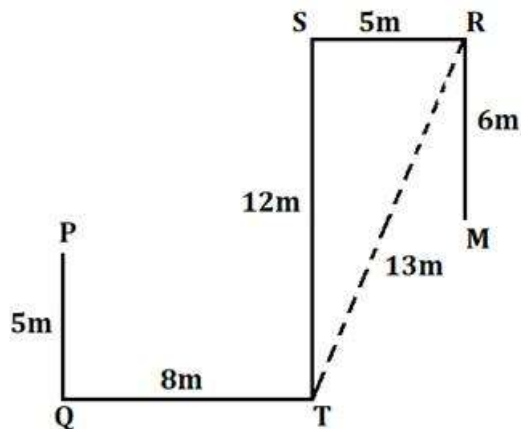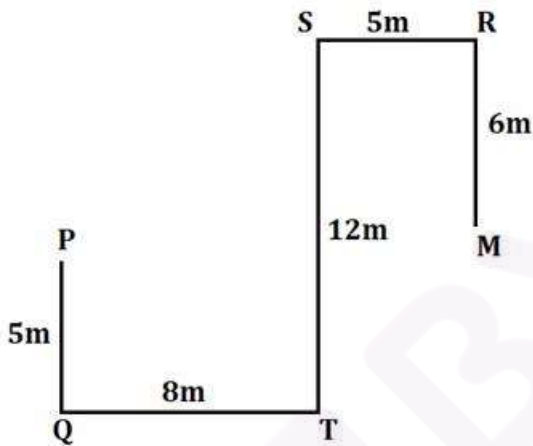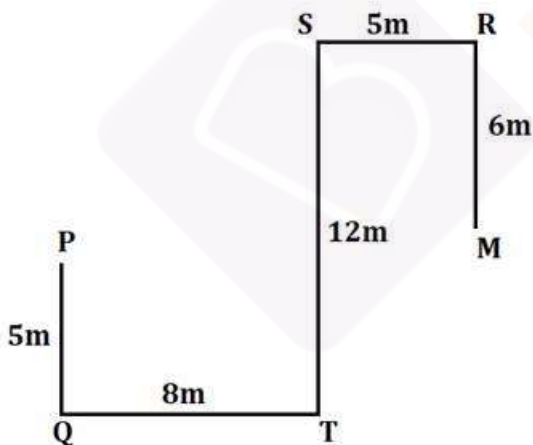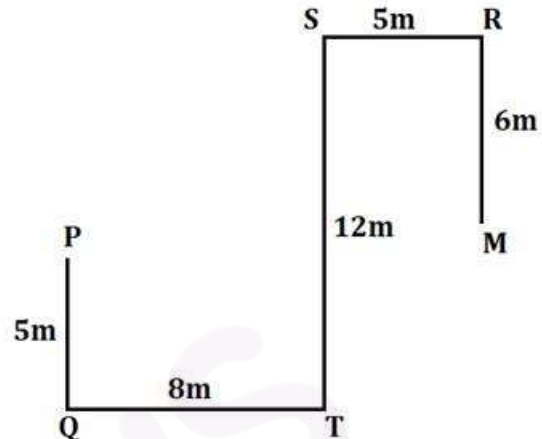
41. Ans. B.

$$\frac{M_1 \times D_1}{W_1} = \frac{M_2 \times D_2}{W_2}$$

$$\Rightarrow \frac{12 \times 64}{1} = \frac{16 \times D_2}{\frac{2}{3}}$$

$\Rightarrow D_2 = 32$

42. Ans. B.
Let ages of P and Q after 2 years will be 5x years and 4x years respectively According to question
5x – 4x = 4
$\Rightarrow$ x = 4
Hence, the age of Q after 2 years = 4x = 4 × 4 = 16 years.

43. Ans. A.
Let the income of B = Rs. 100x, then
the income of A = 100x + 20% of 100x = Rs. 120x
Total expenditure of A and B = 30% of (100x + 120x) = 66x
According to question
66x = 26400

$\Rightarrow x = \dfrac{26400}{66} = 400$

Hence, the income of B = 100x = 100 × 400 = Rs. 40000.

44. Ans. D.

Let each of A and B invested Rs. 100 and the rate of interest = 1%, then

Simple interest of A = $\dfrac{100 \times 1 \times t}{100} = t$ (SI = $\dfrac{PRT}{100}$)

Simple interest of B = $\dfrac{100 \times 1 \times (t + 4)}{100} = (t + 4)$ (SI = $\dfrac{PRT}{100}$)

According to question

$\dfrac{t}{1} = \dfrac{t + 4}{2}$

$\Rightarrow t = 4$

45. Ans. B.

Let the required time = t seconds, then

72 × 30 = 54 × t (Distance = Speed × Time)

$\Rightarrow t = 40$

46. Ans. D.

50% of 24% of ? = 6

$\Rightarrow 0.5 \times 0.24 \times ? = 6$

? = 50

Hence the answer is D.

47. Ans. E.

$? = \sqrt{400} + (5 + 2)^2 = 20 + 49 = 69$

Hence the answer is E.

48. Ans. C.

$\sqrt{? \times 8} = \dfrac{1}{2}$ of 16^2

$\Rightarrow \sqrt{? \times 8} = 128$

Squaring on both sides, we get

$? \times 8 = 128^2$

$\Rightarrow ? = 2048$

Hence, the answer is C.

49. Ans. A.

$192 \times 4 = ?^2 - \sqrt{256}$

$\Rightarrow 768 = ?^2 - 16$

$\Rightarrow ?^2 = 768 + 16 = 784 = 28^2$

$\Rightarrow ? = 28$

Hence, the answer is A.

50. Ans. D.

$? = 18\dfrac{1}{2} - 2\dfrac{1}{4} + 3^3 = \dfrac{37}{2} - \dfrac{9}{4} + 27 = \dfrac{74 - 9 + 108}{4} = \dfrac{173}{4} = 43.25$.

Hence, the answer is D.

51. Ans. C.

Family	TV shows
A	28
B	24
C	20
D	25
E	35
Total	132

Total number of TV shows watched in the month = 28 + 24 + 20 + 25 + 35 = 132

Hence, the answer is option C.

52. Ans. E.

Family	TV shows
A	28
B	24
C	20
D	25
E	35
Total	132

Difference of the number of TV shows watched by families A and C = 28 − 20 = 8
Difference of the number of TV shows watched by families B and D = 25 − 24 = 1
Required sum = 8 + 1 = 9
Hence, the answer is option E.

53. Ans. C.

Family	TV shows
A	28
B	24
C	20
D	25
E	35
Total	132

Average of the number of TV shows watched by families C, A and B = $\frac{20+24+28}{3}$ = 24

Average of the number of TV shows watched by families D and E = $\frac{25+35}{2}$ = 30

Required Ratio = 24 : 30 = 4 : 5
Hence, the answer is option C.

54. Ans. B.

Family	TV shows
A	28
B	24
C	20
D	25
E	35
Total	132

Difference between the number of TV shows watched by families A and C = 28 − 20 = 8
Sum of the number of TV shows watched by families D and E together = 25 + 35 = 60

Required percentage = $\frac{8}{60}$× 100 =

$13\frac{1}{3}$%

Hence, the answer is option B.

55. Ans. A.

Family	TV shows
A	28
B	24
C	20
D	25
E	35
Total	132

Difference of the average of the number of TV shows watched by families D and C and half of the number of TV shows watched by family E = $\frac{20+25-35}{2}$ = 5

Required percentage = $\dfrac{24-5}{5} \times 100$

= 380 %

Hence, the answer is option A.

56. Ans. B.
24 + 22 ÷ 0.25 = ? × 28
⇒ 24 + 88 = ? × 28
⇒ 112 = ? × 28
⇒ ? = 4
Hence, the answer is B.

57. Ans. E.
? = 31.5 ÷ 3.5 × 12 − 8 = 9 × 12 − 8 = 100
Hence, the answer is E.

58. Ans. A.
$2^4 \times 3^3 \div (96 \div ?) = \sqrt{324}$
⇒ 432÷ (96 ÷ ?) = 18
⇒ 24 = 96 ÷ ?
⇒ ? = 4
Hence, the answer is A.

59. Ans. D.
$(4\dfrac{1}{8} + 6) \times 16 = ? \times 9$

⇒ $(\dfrac{33}{8} + 6) \times 16 = ? \times 9$

⇒ $\dfrac{81}{8} \times 16 = ? \times 9$

⇒ 162 = ? × 9

⇒ ? = 18

Hence, the answer is D.

60. Ans. C.
$\sqrt{484} + \sqrt{?} = \sqrt{2304}$

⇒ $22 + \sqrt{?} = 48$

⇒ $22 + \sqrt{?} = 48 - 22$

⇒ $\sqrt{?} = 26$

⇒ ? = 26² = 676

61. Ans. A.
Sum of the number of clothes dry cleaned by M on Tuesday and Wednesday = 75 + 95 = 170
Sum of the number of clothes dry cleaned by L on Wednesday and Thursday = 85 + 25 = 110
Required Ratio = 17 : 11
Hence, the answer is option A.

62. Ans. D.
Sum of the number of clothes dry cleaned by O on Monday and Thursday = 40 + 115 = 155
Difference of the number of clothes cleaned by N on Monday and Wednesday = 100 − 35 = 65
Required difference = 155 − 65 = 90
Hence, the answer is option D.

63. Ans. B.
Sum of the number of clothes dry cleaned by N on Tuesday, Wednesday and Thursday = 55 + 35 + 60 = 150
Clothes dry cleaned by O on all the days = 40 + 90 + 60 + 115 + 70 = 375

Required percentage = $\dfrac{150}{375} \times 100 =$ 40 %

Hence, the answer is option B.

64. Ans. E.
Total number of clothes dry cleaned by all the shops together on Monday = 50 + 80 + 100 + 40 = 270
Similarly, for all the days total number of clothes dry cleaned by all the shops is calculated and it is shown in the table below:

Shop/Days	Monday	Tuesday	Wednesday	Thursday	Friday
L	50	60	85	25	110
M	80	75	95	120	105
N	100	55	35	60	45
O	40	90	60	115	70
Total	270	280	275	320	330

The most number of clothes were dry cleaned on Friday.
Hence, the answer is option E.

65. Ans. B.
Number of clothes dry cleaned by L on all the days put together = 50 + 60 + 85 + 25 + 110 = 330
Similarly, for all the shops total number of clothes dry cleaned on all the days is calculated and it is shown in the table below:

Shop/Days	Monday	Tuesday	Wednesday	Thursday	Friday	Total
L	50	60	85	25	110	330
M	80	75	95	120	105	475
N	100	55	35	60	45	295
O	40	90	60	115	70	375

66. Ans. C.
$4\frac{2}{3} \times \frac{2}{7} + ? = 9$
$\Rightarrow \frac{14}{3} \times \frac{2}{7} + ? = 9$
$\Rightarrow ? = 9 - \frac{4}{3}$
$\Rightarrow ? = 7\frac{2}{3}$

67. Ans. A.
$\Rightarrow 299 \div 13 \times ? = 127 - 35$
$\Rightarrow 23 \times ? = 127 - 35$
$\Rightarrow 23 \times ? = 92$

$\Rightarrow ? = 92 \div 23$
$\Rightarrow ? = 4$

68. Ans. B.
$38^2 + 5^2 - 173 = 6^?$
$\Rightarrow 1444 + 25 - 173 = 6^?$
$\Rightarrow 1296 = 6^?$
$\Rightarrow ? = 4$

69. Ans. B.
$4225 \div (? + 17) = 13^2$
$\Rightarrow 4225 \div 13^2 = (? + 17)$
$\Rightarrow 25 = (? + 17)$
$\Rightarrow ? = 8$

70. Ans. C.
? % of 450 + 1740 = 2100
$\Rightarrow$? % of 450 = 2100 − 1740
$\Rightarrow$? % of 450 = 360
$\Rightarrow ? = \frac{360}{450} \times 100$
$\Rightarrow ? = 80$

71. Ans. C.
Let the cost price of the article = Rs. 100x, then
Marked price of the article = 100x + 50% of 100x = Rs. 150x
Selling price of the article = Rs. (150x − 50)
According to question
Profit = SP − CP
50 = (150x − 50) − 100x
$\Rightarrow$ 50 = 50x − 50
$\Rightarrow$ 50x = 100
$\Rightarrow$ x = 2
Hence, the marked price of the article = Rs. 150x = 150 × 2 = Rs. 300.

72. Ans. D.
Distance = Speed × Time
The distance travelled in downstream direction = 14 × 6 = 84 km
The distance travelled in upstream direction = 10 × t = 10t km
According to question
84 − 10t = 44
⇒ 10t = 84 − 44 = 40
⇒ t = $\dfrac{40}{10}$ = 4

73. Ans. C.
As both A and B invested for the same time period, then
Ratio of their profit = Ratio of their investment
$\dfrac{X}{3200} = \dfrac{(X+800)}{(6800-3200)}$

⇒ $\dfrac{X}{3200} = \dfrac{(X+800)}{3600}$

⇒ 9X = 8(X + 800)
⇒ X = 8 × 800 = 6400

74. Ans. A.
Let the radius of the circle = r cm, then
Length of the rectangle = Diameter of circle = 2r cm
Breadth of the rectangle = Half of the diameter of circle = r cm
According to question
Circumference of a circle − Perimeter of rectangle = 2 cm

$2\pi r$ − 2(2r + r) = 2

⇒ πr − 3r = 1

⇒ r($\dfrac{22}{7}$ − 3) = 1
⇒ r = 7

75. Ans. C.
Let the present age of A = A years and present age of B = B years, then
(A + 10) + (B + 10) = 106
⇒ B = 106 − 10 − 10 − A = 86 − A .... (i)
According to question
A − 6 = B + 16
⇒ B = A − 6 − 16 = A − 22 .... (ii)
From equations (i) and (ii), we get
86 − A = A − 22
⇒ 2A = 86 + 22
⇒ A = $\dfrac{108}{2}$ = 54.

76. Ans. D.
The pattern of the series is:
3 + 3^2 = 12
12 + 5^2 = 37
37 + 7^2 = 86
86 + 9^2 = 167
167 + 11^2 = 288

77. Ans. A.
The pattern of the series is:
1920 ÷ 10 = 192
192 ÷ 8 = 24
24 ÷ 6 = 4
4 ÷ 4 = 1
1 ÷ 2 = 0.5

78. Ans. E.
The pattern of the series is:
100 + 19 × 1 = 119
119 − 19 × 2 = 81

81 + 19 × 3 = 138
138 − 19 × 4 = 62

79. Ans. C.
The pattern of the series is:
1.1 + 1.3 = 2.4
2.4 + 1.5 = 3.9
3.9 + 1.7 = 5.6
5.6 + 1.9 = 7.5

80. Ans. B.
The pattern of the series is:
7 × 2 + 1 = 15
15 × 2 + 1 = 31
31 × 2 + 1 = 63
63 × 2 + 1 = 127
127 × 2 + 1 = 255

BYJU'S EXAM PREP

SBI & IBPS 2022
A Sure Shot Success (Batch 7)

This Course Includes:

› 200+ Live Classes for Complete Conceptual Clarity

› 40+ Full-Length Mock Tests for all bank & insurance exams

› 200+ Interactive Quizzes

› Coverage of Reasoning, Quantitative Aptitude, General Awareness Knowledge and English