IBPS RRB Clerk Prelims 8th August 2021(Memory-based Questions with Solutions)

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Direction: What should come in place of the question mark '?' in the following question?

1. 44 × 3.5 = ? + 91
A. 56
B. 63
C. 68
D. 44
E. 54

2. $1\frac{2}{5}$ of $\frac{16}{21}$ of ? = 4
A. $3\frac{3}{4}$
B. $2\frac{1}{4}$
C. 7
D. 9
E. None of these

3. $\sqrt{3969} \div \sqrt{0.09}$ = 21 × ?
A. 9
B. 7
C. 18
D. 23
E. 10

4. $\left[\left(\frac{3}{4}\right)^3 \times \left(\frac{2}{3}\right)^4\right] \div$? = 1 ÷ 624
A. 42
B. 39
C. 48
D. 52
E. 64

5. 38% of ?% of 65 = 18.525
A. 75
B. 84
C. 72
D. 66
E. 49

6. $\left(\frac{84}{5} + 8.2\right) \div$? = 2.5
A. 24
B. 36
C. 10
D. 8
E. 103

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

7. 7, 3.5, 3.5, 7, 28, ?
A. 196
B. 140
C. 224
D. 256
E. 242

8.3, 17, 45, 87, ?, 213
A. 159
B. 147
C. 135
D. 143
E. 131

9.6, 5, 9, 26, ?, 514
A. 128
B. 94
C. 87
D. 103
E. 108

10.Rs. 50, Rs. 20 and Rs. 10 notes are in ratio of 3 : 2 : 1 and the total money is Rs. 1600 . Find the number of notes of Rs. 50 .
A. 16
B. 20
C. 24
D. 18
E. None of these

Direction: Study the following information carefully and answer the questions:
Seven People i.e. A, B, C, D, E, F, and G live on a seven-floor building. The lowermost floor is numbered as 1, the floor above it numbered as 2 so on till the last floor which is numbered as 7. All the information is not necessarily in the same order.A lives on an even numbers floor. Three people live between A and B. E lives just above A. Two people live between E and C. G lives above F. G does not live on the fifth floor.

11. Who amongst the following lives on the fifth floor?
A. B
B. D
C. E
D. A
E. None of these

12.How many people live between B and D?
A. Two
B. One

C. Four
D. Three
E. None of these

13.D lives on which amongst the following floors?
A. Third
B. Fifth
C. Fourth
D. Sixth
E. None of these

14.Number of people who live above A is the same as the number of people who live below__.
A. G
B. F
C. B
D. E
E. None of these

15.How many people live above G?
A. Two
B. Three
C. Four
D. Five
E. None of these

16.In a certain code language, if 'FRIED' is coded as 'QEJCD' and 'PLANT' is coded as 'KOBSM', then what is the code for 'SHOWN'?
A. GRPMV
B. GPRMV
C. GPRVM
D. GPVRM
E. None of these

Direction: Study the following information carefully and answer the questions:
Riya starts walking from point F towards west and stops after 11m at point D. From D she takes a right turn and stops after 6m at point C. From point C she takes a left turn and stops after 12m at point B. Finally she takes a right turn and stops after 9m at point A.

17. Point A is in which direction with respect to point D?
A. North east
B. South
C. South west
D. North west
E. None of these

18.If point E is 4m west of point D then, what is the total distance between point F and E?
A. 11m

B. 15m
C. 18m
D. 10m
E. None of these

Direction: In each question below are three statements followed by two conclusions I and II. You must take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

19. **Statements:**
No Let is Jug
All Jug is Sun
All Sun is Fog
Conclusions:
I. Some Sun is not Let
II. No Let is Fog
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Both I and II follow
E. Neither I nor II follows

20.**Statements:**
Only a few Bone is Note
No Note is Pen
All Pen is Hut
Conclusions:
I. Some Bone is not Pen
II. Some Bone is not Note
A. Only I follows
B. Only II follows
C. Either I or II follows
D. Both I and II follow
E. Neither I nor II follows

###ANSWERS###

1. Ans. B.
44 × 3.5 = ? + 91
⇒ 154 = ? + 91
⇒ ? = 63
2. Ans. A.
$1\frac{2}{5}$ of $\frac{16}{21}$ of ? = 4
⇒ $\frac{7}{5} \times \frac{16}{21} \times ? = 4$
⇒ ? = $4 \times \frac{15}{16} = \frac{15}{4} = 3\frac{3}{4}$
3. Ans. E.
$\sqrt{3969} \div \sqrt{0.09}$ = 21 × ?
⇒ 63 ÷ 0.3 = 21 × ?
⇒ 210 = 21 × ?
⇒ ? = 10
4. Ans. D.
$\left[\left(\frac{3}{4}\right)^3 \times \left(\frac{2}{3}\right)^4\right] \div ? = 1 \div 624$
⇒ $\left(\frac{3^3}{4^3} \times \frac{2^4}{3^4}\right) \div ? = 1 \div 624$
⇒ $\left(\frac{3^3}{4^3} \times \frac{4^2}{3^4}\right) \div ? = 1 \div 624$
⇒ $\frac{\frac{1}{12}}{?} = \frac{1}{624}$
⇒ ? = $\frac{1}{12} \times 624 = 52$
5. Ans. A.
38% of ?% of 65 = 18.525
⇒ $\frac{38}{100} \times \frac{?}{100} \times 65 = 18.525$
⇒ ? = $18.525 \times \frac{100}{38} \times \frac{1}{65} \times 100$
⇒ ? = 75
6. Ans. C.
$\left(\frac{84}{5} + 8.2\right) \div ? = 2.5$
⇒ (16.8 + 8.2) ÷ ? = 2.5
⇒ 25 ÷ ? = 2.5
⇒ $\frac{25}{2.5}$ = 10
7. Ans. C.
The pattern of the series is:
7 × 0.5 = 3.5
3.5 × 1 = 3.5

3.5 × 2 = 7
7 × 4 = 28
28 × 8 = 224
Hence the missing number is 224.
8. Ans. D.
The pattern of the series is:
3 + 14 × 1 = 17
17 + 14 × 2 = 45
45 + 14 × 3 = 87
87 + 14 × 4 = 143
143 + 14 × 5 = 213
Hence the missing number is 143.
9. Ans. D.
The pattern of the series is:
6 × 1 – 1 = 5
5 × 2 – 1 = 9
9 × 3 – 1 = 26
26 × 4 – 1 = 103
103 × 5 – 1 = 514
Hence the missing number is 103.
10. Ans. C.
Let the number of Rs. 50, Rs. 20 and Rs. 10 notes be 3x, 2x and x respectively.
According to questions,
50 × 3x + 20 × 2x + 10 × x = 1600
⇒ 150x + 40x + 10x = 1600
⇒ 200x = 1600
⇒ x = 8
Number of notes of Rs. 50 = 8x = 8 × 3 = 24
11. Ans. B.

Floor	People
7	E
6	A
5	D
4	C
3	G
2	B
1	F

12. Ans. A.

Floor	People
7	E
6	A
5	D
4	C
3	G
2	B
1	F

13. Ans. B.

Floor	People
7	E
6	A
5	D
4	C
3	G
2	B
1	F

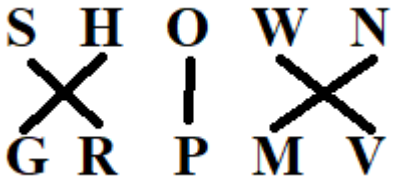
14. Ans. C.

Floor	People
7	E
6	A
5	D
4	C
3	G
2	B
1	F

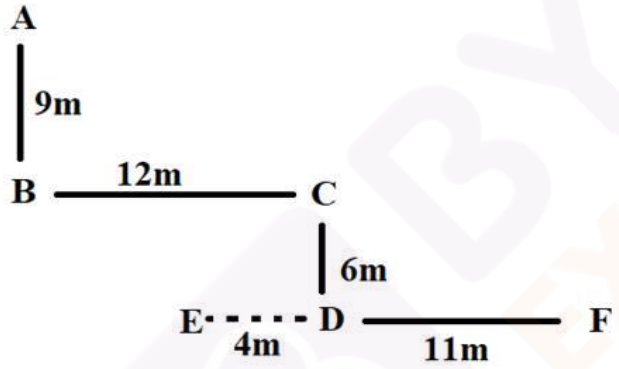
15. Ans. C.

Floor	People
7	E
6	A
5	D
4	C
3	G
2	B
1	F

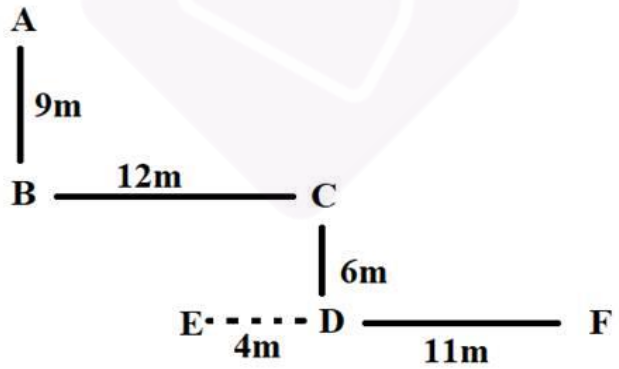
16. Ans. A.



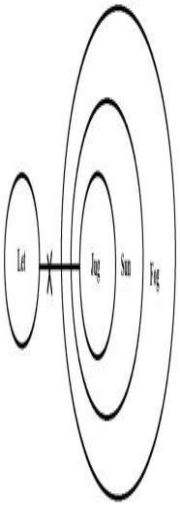
17. Ans. D.



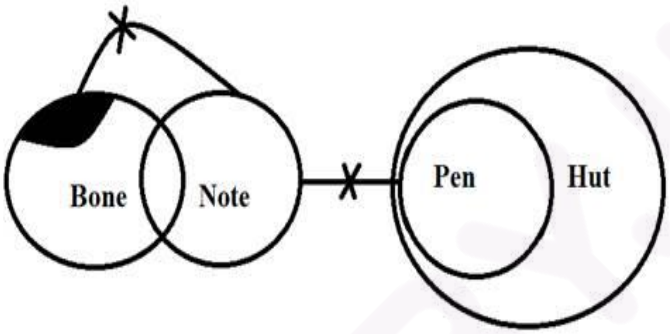
18. Ans. B.



19. Ans. A.



20. Ans. D.



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