

## RMS Bengaluru Numerical Aptitude Questions and Answers



1. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

- A.564
- B.645
- C.735
- D.756
- E.None of these

Answer: D

2. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together?

- A.360
- B.480
- C.720
- D.5040
- E.None of these

Answer: Option C

3. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

- A.810
- B.1440
- C.2880
- D.50400
- E.5760

Answer: D

4. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed?

- A.210
- B.1050
- C.25200

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- D.21400
- E.None of these

Answer: C

5.In how many ways can the letters of the word 'LEADER' be arranged?

- A.72
- B.144
- C.360
- D.720
- E.None of these

Answer: C

6. In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there?

- A.159
- B.194
- C.205
- D.209
- E.None of these

Answer: D

7. How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9, which are divisible by 5 and none of the digits is repeated?

- A.5
- B.10
- C.15
- D.20

Answer: D

8. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women?<https://www.freshersnow.com/previous-year-question-papers/>

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- A.266
- B.5040
- C.11760
- D.86400
- E.None of these

Answer: C

9. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?

- A.32
- B.48
- C.64
- D.96
- E.None of these

Answer: C

10. In how many different ways can the letters of the word 'DETAIL' be arranged in such a way that the vowels occupy only the odd positions?

- A.32
- B.48
- C.36
- D.60
- E.120

Answer: C

11. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

- A.120 metres
- B.180 metres
- C.324 metres
- D.150 metres

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Answer: D

12. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

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- A.45 km/hr
- B.50 km/hr
- C.54 km/hr
- D.55 km/hr

Answer: B

13. The length of the bridge, which a train 130 metres long and travelling at 45 km/hr can cross in 30 seconds, is:

- A.200 m
- B.225 m
- C.245 m
- D.250 m

Answer: C

14. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds

is:<https://www.freshersnow.com/previous-year-question-papers/>

- A.1 : 3
- B.3 : 2
- C.3 : 4
- D.None of these

Answer: B

15. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

- A.120 m
- B.240 m

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- C.300 m
- D.None of these

Answer: B

16. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- A.3.6
- B.7.2
- C.8.4
- D.10

Answer: B

17. An aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in 1 hours, it must travel at a speed of:

- A.300 kmph
- B.360 kmph
- C.600 kmph
- D.720 kmph

Answer: D

18. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:

- A.50 km
- B.56 km
- C.70 km
- D.80 km

Answer: A

19. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is:

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- A. 100 kmph
- B. 110 kmph
- C. 120 kmph
- D. 130 kmph

Answer: C

20. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

- A. 9
- B. 10
- C. 12
- D. 20

Answer: B