DHT Assam 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

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/

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

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:

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