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Exam : **PRAXIS2**

Title : (Pre-Professional Skills Test (PPST) II

Version : Demo

1.If you join all the vertices of a heptagon, how many quadrilaterals will you get?
A. 72
B. 36
C. 25
D. 35
E. 120
Answer: D

2.Four students have to be chosen 2 girls as the captain and vice-captain and 2 boys as captain and vice-captain of the school. There are 15 eligible girls and 12 eligible boys.
In how many ways can they be chosen if Sunita is sure to be the captain?
A. 114
B. 1020
C. 360
D. 1848
E. 1500
Answer: D

3.A teacher prepares at least. She gives 5 objective type questions out of which 4 have to be answered. Find the total ways in which they can be answered if the first 2 questions have 3 choices and the last 3 have 4 choices.
A. 255
B. 816
C. 192
D. 100
E. 144
Answer: B

4.How many 5 digit numbers are there with distinct digits?
A. 144
B. 27216
C. 4386
D. 6432
E. 720
Answer: B

5.In how many ways can 15 students be seated in a row such that the 2 most talkative children never sit together?
A. 141.14!
B. 15.14!
C. 14!
D. 14! 13
E. 15!
Answer: D

6.In a school 5 colours are allotted lo each house. If the flag of Tagore House has to be a sequence of three blocks of different colours, then how many flags can they choose from?
A. 9
B. 27
C. 60
D. 20
E. 15
Answer: C

7.Find the number of words which can be formed by using the letters of the word EQUATION if each word has to start with a vowel.
A. 40320
B. 1260
C. 1080
D. 400
E. 25200
Answer: E

8.How many five digit numbers can be formed using the digits 0, 2, 3,4and 5, when repetition is allowed such that the number formed is divisible by 2 or 5 or both?
A. 100
B. 150
C. 3125
D. 1500
E. 125
Answer: D

9.A straight road runs from north to south. It has two turnings towards east and three turnings towards west. In how many ways can a person coming from east get on the road and go west?
A. 2
B. 3
C. 9
D. 6
E. 5
Answer: D

10.How many heptagons can be drawn by joining the vertices of a polygon with 10 sides?
A. 562
B. 120
C. 105
D. 400
E. 282
Answer: B

11.Four persons enter the lift of a seven storey building at the ground floor.
In how many ways can they get out of the lift on any floor other than the ground floor?
A. 720
B. 1296
C. 1663
D. 360
E. 2500
Answer: B

12.Ten different letters of an alphabet are given. 2 of these letters followed by 2 digits are used to number the products of a company.
In haw many ways can the products be numbered?
A. 52040
B. 8100
C. 5040
D. 1000
E. 4000
Answer: D

13.If P (2n+1,n-1):P(2n-1,n) = 3:5, find n.
A. 2
B. 4
C. 6
D. 8
E. 10
Answer: B

14.A polygon has 20 diagonals. How many sides does it have?
A. 12
B. 11
C. 10
D. 9
E. 8
Answer: E

15.A box contains 5 red and 4 blue balls.
In how many ways can 4 balls be chosen such that there are at most 3 balls of each colour?
A. 132
B. 242
C. 60
D. 120
E. 240
Answer: D

16.Six points lie on a circle. How many quadrilaterals can be drawn joining these points?
A. 72
B. 36
C. 25
D. 15
E. 120
Answer: D

17.There are 3 children of a lady. In how many ways is it possible to dress them for a party if the first child likes 3 dresses, second likes 4 and the third likes 5 but the third child has out grown one of them? Each child has a different set of clothes.
A. 11
B. 10
C. 60
D. 48
E. 15
Answer: D

18.How many three-digit odd numbers can be formed from the digits 1, 3, 5, 0 and 8?
A. 25
B. 60
C. 75
D. 100
E. 15
Answer: B

19.The number of words formed by permuting all the letters of the word INDEPENDENCE
A. 144
B. 1663200
C. 136050
D. 6432
E. 720
Answer: B

20.There are 12 children in a party. For a game they have to be paired up.
How many different pairs can be made for the
A. 46
B. 24
C. 120
D. 66
E. 132
Answer: D