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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. $14! \cdot 14!$
- B. $15! \cdot 14!$
- C. $14!$
- D. $14! \cdot 13$
- E. $15!$

Answer: D

6. In a school 5 colours are allotted to 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, 4 and 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 how 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