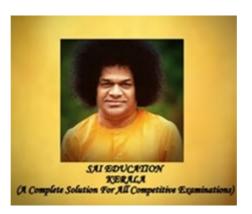# 108 DAYS ONLINE COACHING- (DAY 20)-[29-02-2020~SATURDAY]

PERMUTATION AND COMBINATION

NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO [JOINED IN THE SAI EDN COACHING PLATFORM] *

0

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY BEFORE SENDING THE ANSWERS

1. Using all the letters of the word GIFT how many distinct words can be formed? *   1 point

○ 22

◉ 24

○ 256

○ 200

2. Find out how many distinct three-digit numbers can be formed using all the digits of 1, 2, and 3. *   1 point

○ 4

○ 5

◉ 6

○ 7

3. In how many different ways can five friends sit for a photograph of five chairs in a row? *   1 point

◉ 120

○ 24

○ 240

○ 720

4. For the word MAGIC how many different types of arrangement are possible so that the vowels are always together? *　　　　1 point

○ 44

○ 24

◉ 48

○ 60

5. In how many ways can the letters of the word BEAUTY be arranged? *　　　　1 point

○ 360

◉ 6!

○ 5!

○ 150

6. How many different ways can the letters of the word FIGHT be arranged? *　　　　1 point

○ 130

○ 160

○ 140

◉ 120

7. In how many different ways can the letters of the word PRESENT be arranged? *   1 point

⦿ 2520

◯ 2560

◯ 2540

◯ 2500

8. How many arrangements can be made out of the word ENGINEERING? *   1 point

◯ 265432

⦿ 277200

◯ 235640

◯ 280190

9. In how many different ways can the letters of the word DESIGN be arranged so that the vowels are at the   1 point
two ends? *

⦿ 48

◯ 34

◯ 24

◯ 64

10. In how many ways can the letters of the word DAUGHTER be arranged so that the vowels always come together? *   1 point

○ 1320

○ 2320

○ 3320

● 4320

11. In how many different ways can the letters of the word DIRECTOR be arranged so that the vowels are always together? *   1 point

● 2160

○ 3600

○ 1630

○ 4260

12. In how many different ways can the letters of the word DIGEST be arranged so that the vowels are never together? *   1 point

● 480

○ 240

○ 360

○ 520

13. In how many different ways can the letters of the word DETAIL be arranged so that the vowels occupy only the odd positions? *   1 point

○ 26

◉ 36

○ 46

○ 16

14. In how many ways can a cricket eleven be chosen out of a batch of 14 players? *   1 point

○ 230

○ 468

◉ 364

○ 886

15. In how many ways a committee of 6 members be selected from 7 men and 5 ladies, consisting of 4 men and 2 ladies? *   1 point

◉ 350

○ 250

○ 150

○ 450

16. Find the no of arrangements for the letters of the word ALLAHABAD? *   1 point

○ 9860

● 7560

○ 8680

○ 6932

17. Find the position of the word MOTHER if the letters of the word are written as in a dictionary? *   1 point

○ 206

○ 403

○ 108

● 309

18. In how many ways can we choose a chairman and a wise-chairman from a committee of 8 members assuming one person cannot hold more than one position? *   1 point

○ 48

○ 36

● 56

○ 64

19. In how many of the distinct permutations of the letters in MISSISSIPPI do the four I's not come together? *

1 point

○ 34650

◉ 33810

○ 34840

○ 33650

20. Find r if $5 \times 4P\_r = 6 \times 5P\_(r-1)$? *

1 point

◉ 3

○ 4

○ 2

○ 8

21. What is the no of ways of choosing 4 cards from a pack of 52 plane cards? *

1 point

○ 250560

○ 260638

◉ 270725

○ 293317

22. In how many ways can the letters of the EQUATION be arranged if it starts with Q? *   1 point

(●) 5040

(○) 5000

(○) 5080

(○) 5060

23. 4 boys and 2 girls are to be seated in a row in such a way two girls are always together. In how many ways they can then be seated? *   1 point

(○) 260

(●) 240

(○) 360

(○) 380

24. In how many ways can the letters of the word COFFEE be arranged without repeating the letters? *   1 point

(●) 180

(○) 150

(○) 160

(○) 210

25. In how many ways can the letters of the HOME be arranged without repeating the letters? *   1 point

○ 14

◉ 24

○ 17

○ 34

THANK YOU!!!

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