GSFC UNIVERSITY
SCHOOL OF SCIENCE
Admission Common Test for B.Sc. Data Science, 2023-24

Time: 30 Minutes   **Total Marks: 30**

Instructions:
i.   All questions are compulsory.
ii. All questions are Multiple Choice Questions.
iii. Each question Carries 1 Mark.

1. The missing letter in the sequence **b e h k n ? t** is
    a. q
    b. m
    c. o
    d. p

2. There are twenty-four students in a certain class. For every nine girls there are three boys. How many girls and how many boys are there in the class?
    a. 19 & 5
    b. 18 & 6
    c. 15 & 9
    d. 14 & 10

3. If $\sqrt{96}/\sqrt{k} = 2\sqrt{6}$, then k = _____
    a. 2
    b. 4
    c. 6
    d. 8

4. Ajay pays 60% of his salary as house rent, 15% of salary as loan instalment and he still saves Rs. 900 after spending Rs. 1,800 on other household goods. What is his salary in Rs?
    a. 2,700/-
    b. 8,100/-
    c. 10,800/-
    d. 13,500/-

5. If the mode and mean are 5 & 6, respectively, what is the value of median?
    a. 17/3
    b. 13/3
    c. 23/3
    d. 33

6. When a die is rolled, the probability of landing with 2 is?
    a. 3/6
    b. 1/6
    c. 2/6
    d. 5/6

7. Six times a number reduced by ten equals 50. What is the number?
   a. 8
   b. 9
   c. 10
   d. 11

8. If p, q and r are the three consecutive odd integers, which of the following statements is NOT true?
   a. p + q is an even integer
   b. p + q + r is an odd integer
   c. (p + r)/2 is an even integer
   d. (p + q)/2 is an even integer

9. If NOIDA is written as OPJEB, then code for DELHI is _____
   a. EFMAK
   b. EFAMK
   c. EFMIJ
   d. EFMIK

10. Which number should come next in series 1, 2, 3, 10, ___
    a. 79
    b. 99
    c. 89
    d. 98

11. If PINK is coded as 1691411, then RED will be coded as
    a. 1963
    b. 1854
    c. 1853
    d. 1954

12. Which of the following languages is used for performing operations related to data transfer in a computer?
    a. Binary
    b. Hexadecimal
    c. Python
    d. C

13. Which of the following is operating system?
    a. MACOS
    b. LINUX
    c. ANDROID
    d. All of the above

14. Which of the following is NOT an input device?
    a. JOY Stick
    b. Digital Writing Pad
    c. Speaker
    d. Mouse

15. The fullform of RAM is

a. Random access memory
b. Reusable accessible memory
c. Regressive access memory
d. Read & access memory

16. Which of the following can be used to connect two computers?
    a. LAN
    b. WiFi
    c. WAN
    d. All of the above

17. If _____ I would not lose temper
    a. I were you
    b. I was you
    c. I am not you
    d. I am you

18. It is very expensive to afford, _____ she can afford it.
    a. yet
    b. but
    c. although
    d. and

19. Please, don't laugh _____ those beggers.
    a. for
    b. against
    c. at
    d. from

20. Look at all those black clouds! It _____ today.
    a. is going to rain
    b. is raining
    c. will be rain
    d. rains

21. If x tan 45° sin 30° = cos 30° tan 30°, then x is equal to
    a. $\sqrt{3}$
    b. 1/2
    c. $1/\sqrt{2}$
    d. 1

22. The differential equation is called a linear if degree of the quation is
    a. 1
    b. 3
    c. 2
    d. None of the above

23. The graph of y = x and x = 2 is
    a. Square
    b. Triangle

c. Circle
d. Parabola

24. Average of all observations in a set of data is known as
   a. Median
   b. Range
   c. Mean
   d. Mode

25. A house with five family members has food sufficient for 60 days. After 25 days 20 guests visit their house. Find the number of days for which the remaining food can last?
   a. 7 days
   b. 8 days
   c. 9 days
   d. 10 days

26. Who was the first chief minister of Gujarat?
   a. Rajendra Prasad
   b. Keshubhai Patel
   c. Balwantrai Mehta
   d. Jivraj Narayan Mehta

27. The full-form of GPS is
   a. Global Prime System
   b. General Positioning System
   c. Giant Prime System
   d. Global Positioning System

28. Which of the following is celebrated as Gujarat State Formation Day?
   a. April 30
   b. June 1
   c. May 1
   d. May 30

29. Which of the following causes Minamata disease?
   a. Lead
   b. Mercury
   c. Magnesium
   d. Methyl Chloride

30. The main use of salt in the diet is to
   a. make the taste of food better
   b. helps in digestion of food
   c. ease the process of cooking
   d. increase the solubility of food particles in water

***

Answers Key

1	2	3	4	5	6	7	8	9	10
a	b	b	c	a	b	c	c	c	b
11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
b	a	d	c	a	d	a	a	c	a
21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
d	a	a	c	a	d	d	c	b	b