



**PANIMALAR ENGINEERING COLLEGE**  
An Autonomous Institution Affiliated To Anna University,  
(JAISAKTHI EDUCATIONAL TRUST)  
Bangalore Trunk Road, Poonamallee, Chennai -600123  
**MATHS CLUB – INFINITE THINKERS**  
**ROUND 1**



NAME:	ROLL NO:	DEPT & SEC :
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1) 500, 50, 10, 3, 1.2, ?

- A) 0.4
- B) 0.8
- C) 0.3
- D) 0.6

2) A music system when sold for ₹10,000 gave a profit of ₹2,000 to the shopkeeper. Calculate his gain percent.

- A) 22%
- B) 25%
- C) 20%
- D) 30%

3) If it is Sunday on Jan 1, 2006, determine the day on Jan 1, 2010?

- A) Thursday
- B) Friday
- C) Monday
- D) Sunday

4) The average age of Alice, Bob, and Mike three years ago was 35 years. Five years back, the average age of Bob and Mike was 20 years. Determine Alice's present age.

- A) 64
- B) 40
- C) 35
- D) 20

5) A bus leaves at 12:25 noon and reaches its destination at 10:45 AM. The duration of the journey is:

- A) 22 hrs 20 min
- B) 22 hrs 40 min
- C) 24 hrs 20 min
- D) 24 hrs 40 min

6) How many rotations will the hour hand of a clock complete in 72 hours?

- A) 3
- B) 6
- C) 9
- D) 12

7) Three unbiased coins are tossed. What is the probability of getting at most two heads?

- A)  $\frac{3}{4}$
- B)  $\frac{1}{4}$
- C)  $\frac{3}{8}$
- D)  $\frac{7}{8}$

8) Rani goes to school from her house in 30 minutes. Raja takes 45 minutes to cover the same distance. Find the ratio between the time taken by Rani and Raja.

- A) 2 : 3

- B) 4 : 3
- C) 3 : 2
- D) 1 : 3

9) 76% of the students in a school are boys. If the number of girls is 204, then the total number of students is:

- A) 760
- B) 800
- C) 850
- D) 900

10) The speeds of three cars are in the ratio 2 : 3 : 4. The ratio of the time taken by these cars to travel the same distance is:

- A) 2 : 3 : 4
- B) 4 : 3 : 2
- C) 4 : 3 : 6
- D) 6 : 4 : 3

11) How do we represent half a percent in decimals?

- A) 0.213
- B) 0.5
- C) 0.005
- D) 0.25

12) A cat crosses a 600 m long bridge in 5 minutes. What is its speed in km per hour?

- A) 3.6 km/hr
- B) 7.2 km/hr
- C) 8.4 km/hr
- D) 10.10 km/hr

13) Assume “\*” is called as “+”, also “/” is called “\*”, likewise “-” is called “/”, and “+” is called “-”.

$40/20 - 5 * 10 + 5 = ?$

- A) 100
- B) 125
- C) 155
- D) None

14) An article is bought for ₹600 and sold for ₹750. The gain percent is:

- A) 10
- B) 25
- C) 35
- D) 45

15) If 29% of a number is 754, what is 100%?

- A) 2560
- B) 2600
- C) 2627
- D) 2675

16) If the ratio of the ages of A and B is 3:4 and the sum of their ages is 56 years, what is the age of B?

- A) 24 years
- B) 28 years
- C) 32 years
- D) 36 years

17) If 12 workers can complete a task in 10 days, how many workers are needed to complete the same task in 6 days?

- A) 15
- B) 18
- C) 20
- D) 24

18) If A is the brother of B, and B is the sister of C, how is A related to C?

- A) Brother
- B) Sister
- C) Cousin
- D) Uncle

19) A is the brother of B. B is the daughter of C. C is the sister of D. D is a boy. How is A related to D?

- A) Brother
- B) Nephew
- C) Cousin
- D) Uncle

20) Arrange the following words in a meaningful sequence:

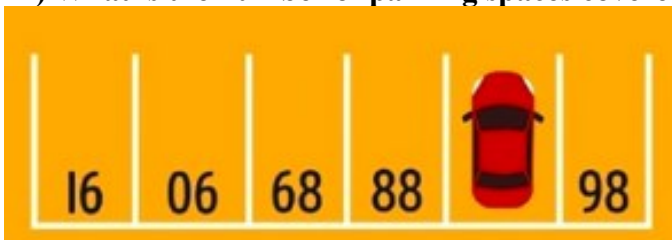
- 1. Seed
- 2. Plant
- 3. Flower
- 4. Fruit
- 5. Tree

- A) 1, 2, 3, 4, 5
- B) 1, 2, 5, 3, 4
- C) 1, 5, 2, 3, 4
- D) 1, 3, 2, 5, 4

21) If  $1 = 3$ ,  $2 = 3$ ,  $3 = 5$ ,  $4 = 4$ ,  $5 = 4$ , then  $6 = ?$

- A) 3
- B) 4
- C) 5
- D) 2

22) What is the number of parking spaces covered by the car?



23) I am an odd number. Take away one letter and I become even. What number am I?

24) Which three numbers have the same answer whether they're added or multiplied together?

25) If "BOOK" is written as "CMPI", how is "BALLOON" written?

- A) CBMJKMO
- B) YNJLMD
- C) CBNJPMP
- D) CYMJPMO

26) A man starts walking east, then turns right, then right again, and finally left. In which direction is he facing now?

- A) North
- B) South
- C) East
- D) West

27) If  $5 * 4 = 41$ ,  $6 * 3 = 39$ , then  $7 * 2 = ?$

- A) 36
- B) 35
- C) 32
- D) 34

28) A grocery store has sales of ₹6435, ₹6927, ₹6855, ₹7230, and ₹6562 for five consecutive months. What must the sale be in the sixth month so that the store gets an average sale of ₹6500?

- A) 4991
- B) 5500
- C) 6200
- D) 4800

29) A clock gains 15 seconds every 4 hours. On Sunday, the time was set at 1:00 PM. What will be the actual time when it is Wednesday 9:00 AM?

- A) 09:04:15
- B) 09:05:55
- C) 09:02:30
- D) 09:02:25

30) A sum of ₹8000 is invested at 10% per annum. What will be the total amount after 2 years (Simple Interest)?

- A) 9520
- B) 9600
- C) 9750
- D) 9900

**ANSWERS:-**

Write the option as well as answer Example: C) 9750

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