# **SECOND TERM END EXAMINATION - 2025**

6 Std

### **MATHEMATICS**

Reg No.

37

Time: 2.00 HR

MARKS: 60

Ins	truc	tio	ns:

- Write clearly and legibly without mistakes and overwriting utilising the maximum time allotted for the exam
- Answers should be in your own style without changing the main core concept.
- Use only black or blue ink pen to write the exam.
- Draw clear diagrams wherever necessary.

#### PART - I

1 1.	Choose the correct answer. Which of the following numbers is not a prime?					5 X 1 = 5		
	a) 53	b) 92	c) 97	d) 71	last say			
2.	9 m 4 cm is equ	ual to	The second second	A CONTRACTOR OF THE PARTY OF TH	A STATE OF THE STA	·		
	a) 94 cm	b) 904 cm	c) 9.4 cm	d) 0.94 cm				
3.	Discount = M.F.			The same of	Ray W			
	a) Profit	b) S.P	c) Loss	d) C.P	The Print			
4.	If two sides of a triangle are 5 cm and 9 cm, then the third side is							
	a) 5 cm	b) 3 cm			. 134 - 1	N.S.		
5.	Which of the fo	ollowing pairs is	co-prime?	Assertation as	and the			
	a) 51, 63	b) 52, 91	c) 71, 81	d) 81, 99	16.31			
11	Fill in the b	lanks.	VENT N	A STATE	and the same	5 X 1 = 5		
6.	The number of prime numbers between 11 and 60 is							
7.	The HCF of 45 and 75 is							
8.				green and the same	1 Fall-12	77		
9.	In an isosceles triangle angles are equal.							
10.		6, 39 and 52 is .	·		The same of	-1121		
Ш	Say True o	r false		数 医二氯化二氯		5 X 1 = 5		
11.	Every natural number is either prime or composite.							
12.	그리고 있다고 있다고 있다면 하는 그는 그는 것이 나는 바람들이 그리고 있다면 하는 것이 되었다. 그는 그는 그는 그는 그를 가지 않는 것이 없는 것이 없다면 하는 것이 없다면 하는 것이 없다면 하는 것이다.							
13.			nilk which is eq	The second secon	Websit and Facilities	- Aule to		
14.	and the same of th	Discount = se	Land Colonia and Colonia	. d	Barrell School Co.			
15.	The second secon	angles of a triar		43.0	THE RESERVE	1		
IV	Match the following.							
16.	No sides are e	Control of the Contro	- Isosceles	triangle		5 X 1 = 5		
17.	One right angle	e //	- Scalene t	riangle	. 110			
18.	One obtuse ar	ngle	- Right ang	le triangle	ALL STATEMENT	1 1 2 30		
19.	Two sides of e	qual length	- Equilatera			. 61		
20.	All sides are e	qual :		ngled triangle				
			10.3		6- Mathematics	-Page - 1		

### PART - II

### v Answer any Six of the following.

6 X 2 = 12

- 21. Write the smallest and the biggest two digit prime number.
- 22. Find the LCM of 30, 40, 60 Using prime factorisation method
- A child needs 100g of vegetables per day How many kg of vegetables will be needed for a school of strength 90.
- 24. Subtract 10 hours 20 minutes 35 seconds from 12 hours 18 minutes 40 seconds.
- 25. Pari bought a motor cycle for ₹55,000 and he gained ₹5500 on selling the same. what is the selling price of the motor cycle.
- 26. Rani bought a set of bangles for ₹310 her neighbour liked it most. so Rani sold it to her for ₹325. Find the profit or loss to Rani.
- 27. Can a traiangle be formed with 70°, 60°, 50° angles? If yes, name the type of triangle.
- 28. I am a close figuer with each of my three angles 60° is who am I?
- 29. Convert into a Tree diagram (9x5) + (10x12) .
- 30. Convert into a Tree diagram (3x5) (4 ÷ 2)

#### PART - III

### M Answer any Six of the following .

6 X 3 = 18

- 31. Find the dates of any month in a calendar which are divisible by both 2 and 3
- 32. Find the LCM of 156 and 124
- 33. In a school, 200 Litres of Lemon juice is prepared If 250 ml Lemon juice is given to each student, how many students get the juice?
- 34. A Setelite is placed in its orbit in 7 hours 16 minutes 20 seconds. Calculat it in seconds.
- 35. Barathan offers his customers a discount ₹ 50 on each shirt and still makes a profit of ₹ 100 per shirt. What is the actual cost price of the shirt that is marked @ ₹ 800?
- 36. Valavan bought 24 eggs for ₹ 96 Four of them were broken and also he had aloss of ₹ 36 on selling them What is the selling price of one egg?
- 37. Two angles of the triangles are given. Find the third angle

i) 80°, 60°

ii) 75°, 35°

- 38. Convert the numerical expression  $[(6+4)\times7]+[2\times(10-5)]$  into Tree diagram.
- 39. Convert the algebraic expression (xxy) (yxz) into Tree diagram.

### PART - IV

## VII Answer the following.

1 X 10 = 10

40. a) Draw a line segment AB = 7 Cm and mark a point p on it Draw a line perpendicular to the given line segment at P.

(OR)

b) Draw a line segment measuring 7.8 cm Mark a point B above it at a distance of 5 cm Through B draw a line parallel to the given line segment.

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