STATE LEVEL EXAM (2024 – 2025)



INSTRUCTIONS TO THE STUDENT'S

- 1. Please do not open this question paper unless you are instructed to do so.
- 2. Additional 5 minutes will be given to the candidates for filling up the student's details before the start of the competition.
- 3. The paper consists of 5 different chapters of the textbook.
- 4. All questions are compulsory and consist of equal marks.
- 5. Each question is carrying 1 mark, there is no negative marking.
- 6. There is only one correct answer, hence mark one answer only.
- 7. Darken the circle with dark pencil or blue/black ball pen only.
- 8. Return the answer sheet along with the question paper to the supervisor at the end of the exam.
- 9. Extra Blank pages can be used for rough calculations

Name	
SCHOOL	
ROLL NO	CLASS

SECTION 1 - MULTIPLES AND FACTORS

1. What is the smalle	est multiple of any non	-zero whole number?
A) 0	B) One	C) Both
2. How many prime r	numbers are there bet	ween 30 and 50?
A) 7	B) 5	C) 4
3. How many prime r	numbers are there bet	ween 45 and 65?
A) 7	B) 5	C) 4
4. How many compo	site numbers are there	e between 10 and 25?
A) 12	B) 10	C) 11
5. Which pair of num	ibers is a twin prime p	air?
A) (41, 43)	B) (37, 39)	C) (47, 49)
6. Which of the follo	wing pairs are co-prim	e?
A) 8 and 14	B) 5 and 11	C) 9 and 15
7. Which of the follo	wing numbers is divisil	ble by both 4 and 6?
A) 36	B) 64	C) 52
8. Which of the follo	wing numbers is divisil	ble by both 9 and 12?
A) 72	B) 81	C) 60
9. Which of the follo	wing numbers is divisil	ble by 5, 10, and 15?
A) 50	B) 75	C) 150
10. Which of the foll	owing numbers is divis	sible by 3, 9, and 27?
A) 81	B) 54	C) Both A & B
11. Which of the follo	owing statements is tr	ue about a composite number?
A) It has only two f	actors.	B) It has more than two factors.
12. How many prime	numbers are there be	etween 100 and 120?
A) 4	Б) О	0,5
13. How many prime	numbers are there be	etween 70 and 100?
A) 6	B) 5	C) 7
14. How many comp	osite numbers are the	re between 50 and 65?
A) 10	B) 11	C) 13

15. Which is NOT a pr	operty of twin primes	?	
A) They differ by 2.	B) Both numbers n	nust be odd.	C) Both numbers must be even.
16. Which twin prime	pair comes after (17,	19)?	
A) (23, 25)	B) (29, 31)	C) (37, 39)	
17. Which of the follo	wing numbers is divisi	ble by 6 and 8?	
A) 24	B) 36	C) 78	
18. Which of the follo	wing numbers is divisi	ble by both 2 a	nd 15?
A) 45	B) 60	C) 75	
19. Which of the follo	wing numbers is NOT	divisible by 7, 1	.1, and 13?
A) 91	B) 154	C) 186	
20. Which of the follo	wing numbers is NOT	divisible by 5, 6	5, and 10?
A) 30	B) 50	C) 60	

SECTION 2 - DECIMAL NUMBER

21. Convert $4\frac{5}{8}$ to	a decimal:	
A) 4.625	B) 4.58	C) 4.75
22. Convert $5\frac{1}{2}$ to	a decimal:	
A) 5.2	B) 5.4	C) 5.5
23. Convert $3\frac{11}{20}$ t	o a decimal:	
A) 3.55	B) 3.65	C) 3.75
24. Convert $7\frac{5}{8}$ to	a decimal:	
A) 7.85	B) 7.625	C) 7.58
25. What is the su	im of 5.9 and 8.6?	
A) 14.5	B) 14.6	C) 15.4
26. What is the su	ım of 10.12 and 6.28	?
A) 16.50	B) 16.50	C) 16.40
27. Add 0.99, 0.88	3 and 0.77 .	
A) 2.63	B) 2.64	C) 2.65
28. Calculate the	sum of 45.6, 32.4 and	d 11.8.
A) 89.7	B) 89.8	C) 89.9

29. A car traveled 25.65 miles in the morning and 18.35 miles in the afternoon. How far did the car travel in total?

A) 45.00 miles B) 43.00 miles C) 44.00 miles

30. A factory produces 124.25 units of product A and 178.75 units of product B. What is the total number of units produced?

A) 304.00 units	B) 302.00 units	C) 303.00 units

31. A tailor cuts three pieces of cloth for a dress. The lengths of the pieces are 1.75 meters, 2.35 meters, and 1.45 meters. What is the total length of cloth used?

	A) 5.55 meters	B) 5.45 meters	C) 5.65 meters
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32. Priya spent 125.75 ₹ on pins, 78.50 ₹ on nuts & 56.25 ₹ on pots. How much Priya spent? A) 260.50 ₹ B) 260.40 ₹ C) 260.45 ₹

33. What is 11.5 A) 7.65	0 - 3.75? B) 7.75	C) 7.55
34. What is 13.7 A) 7.25	5 - 6.60? B) 7.05	C) 7.15
35. What is 9.40 A) 5.25	e 4.35? B) 5.05	C) 5.15

36. What is 14.90 - 7.50?A) 7.50B) 7.40C) 7.30

37. John had ₹60.00. He bought a jacket for ₹28.75 and a pair of shoes for ₹18.90. How much money does he have left?

A) ₹12.25 B) ₹13.25 C) ₹12.35

38. A runner completed 15.50 kilometers on the first day and 8.75 kilometers on the second day. How many more kilometers did the runner complete on the first day?

A) 6.85 kilometers B) 7.00 kilometers C) 6.75 kilometers

39. A student scored 78.45 marks in math, 65.35 marks in science, and 89.25 marks in English. How many more marks does the student need to score 250.00 total?

A) 17.95 B) 16.95 C) 18.05

40. The total weight of a box was 45.56 kg. After removing some items weighing 12.34 kg, what is the remaining weight of the box?

A) 33.22 kg	B) 33.23 kg	C) 33.24 kg
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SECTION 3 - MEASURING TIME

41. Convert 7:30 AM A) 17:30	to the 24-hour clock. B) 07:30	C) 19:30	
42. Convert 12:15 PM A) 12:15	l to the 24-hour clock. B) 00:15	C) 22:15	
43. Convert 11:59 PM A) 23:59	l to the 24-hour clock. B) 00:59	C) 22:59	
44. Convert 12:30 AN	1 to the 24-hour clock.		
A) 23:30	B) 12:30	C) 00:30	
45. Add 4 hours 35 m A) 8 hours 60 minut	inutes to 3 hours 25 m tes B) 8 hours 10	ninutes. What is minutes	s the total time? C) 8 hours
46. Add 4 hours 10 m	inutes to 3 hours 40 m	ninutes. What i	s the total time?
A) 8 hours 00 minut	tes B) 7 hours 50	minutes	C) 6 hours 50 minutes
47. Add 6 hours 50 m A) 3:10 AM	inutes to 8:20 PM. Wh B) 2:10 AM	nat is the time? C) 4:10 AM	
48. Add 3 hours 30 m	inutes to 11:50 AM. W	/hat is the time	?
A) 4:10 PM	B) 2:10 PM	C) 3:20 PM	
49. Subtract 2 hours 1	15 minutes from 6 hou	ırs 50 minutes.	What is the result?
A) 4 hours 35 minut	tes B) 4 hours 30	minutes	C) 5 hours 15 minutes
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A) 3 hours 40 minut	tes B) 3 hours 50	rs 10 minutes. N minutes	C) 3 hours 30 minutes
51. Subtract 3 hours 1	15 minutes from 2:30	AM ?	
A) 11:15 PM	B) 5:45 AM	C) 1:15 PM	
52. Subtract 1 hours 1	15 minutes from 5:30	PM ?	
A) 4:25 PM	B) 6:45 PM	C) 4:15 PM	
53. A class starts at 9:	10 AM and ends at 12	:40 PM. How lo	ong was the class?
A) 3 hours 20 minut	tes B) 3 hours 10	minutes	C) 3 hours 30 minutes
54. A meeting starts a	at 10:00 AM and finish	es at 12:30 PM	. How long did the meeting last?
A) 2 hours	B) 2 hours 30	minutes	C) 3 hours

55. A student spends 2 hours 45 minutes in the library, 1 hour 30 minutes in the lab, and 30 minutes on a break. How much total time did the student spend on these activities?

A) 4 hours 45 minutes B) 4 hours 30 minutes C) 4 hours 15 minutes

56. A train departs from the station at 5:10 PM and arrives at its destination at 8:30 PM. The train takes a 20-minute break during the journey. What is the total time the train spent traveling, excluding the break?

A) 3 hours 00 minutes	B) 3 hours 10 minutes	C) 3 hours 20 minutes

57. A person started reading a book at 4:15 PM and finished at 6:45 PM. How long did the person read?

A) 2 hours	B) 2 hours 15 minutes	C) 2 hours 30 minutes
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58. A person watched TV fr	om 8:30 PM to 11:00 PM. H	ow long did the person watch TV?
A) 2 hours 15 minutes	B) 2 hours 30 minutes	C) 3 hours

59. A train left the station at 7:45 AM and arrived at its destination at 11:30 AM. The journey was delayed by 45 minutes. What was the original time of arrival at the destination before the delay?

A) 11:15 AM B) 11:00 AM C) 10:45 AM

60. A meeting was scheduled to end at 4:30 PM but ran for an additional 45 minutes. If the meeting originally started at 2:15 PM, at what time did the meeting actually end?

A) 5:00 PM	B) 5:15 PM	C) 5:30 PM
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SECTION 4 - PROBLEMS ON MEASUREMENT

61. Add ₹ 3 and 60 paise with A) ₹20 and 25 paise	n ₹ 16 and 85 paise. B) ₹20 and 35 paise	C) ₹20 and 45 paise			
62. Subtract ₹ 8 and 50 paise from ₹ 18 and 40 paise.					
A) ₹9 and 90 paise	B) ₹9 and 80 paise	C) ₹9 and 70 paise			
63. Subtract 27.65 meters fro	om 80.00 meters.				
A) 52.25 meters	B) 52.35 meters	C) 52.45 meters			
64. Add 13.85 meters and 42	.55 meters.				
A) 56.30 meters	B) 56.40 meters	C) 56.50 meters			
65. Add 25.75 kg and 30.25 kg.					
A) 56.00 kg	B) 56.25 kg	C) 56.50 kg			
66. Subtract 8.25 kg from 15	.75 kg.				
A) 7.80 kg	B) 7.75 kg	C) 7.50 kg			

67. Add 15 litre 275 millilitre	and 10 litre 475 millilitre.				
A) 25 litre 750 millilitre	B) 25 litre 700 millilitre	C) 25 litre 500 millilitre			
68. Subtract 8 litre 800 millilitre from 12 litre 200 millilitre.					
A) 3 litre 000 millilitre	B) 3 litre 400 millilitre	C) 3 litre 300 millilitre			
69. Add 15 km 350 m and 9 k	km 650 m.				
A) 25 km 000 m	B) 24 km 050 m	C) 24 km 100 m			
70. Subtract 10 km 600 m fro	om 25 km 900 m.				
A) 15 km 200 m	B) 15 km 300 m	C) 15 km 400 m			
71. A person has ₹150 and 7. money does he have left?	5 paise. He spends ₹75 and 50) paise on a book. How much			
A) ₹75 and 25 paise	B) ₹75 and 50 paise	C) ₹76 and 25 paise			
72. An item costs ₹125 and 6 back?	0 paise. If you pay with ₹200,	how much change will you get			
A) ₹74 and 50 paise	B) ₹74 and 40 paise	C) ₹74 and 60 paise			
73. A piece of wire is 18.4 me remaining wire?	eters long. If 6.25 meters of it	is cut off, what is the length of the			
A) 12.15 meters	B) 12.25 meters	C) 12.35 meters			
74. A rope is 12.5 meters lon length of the two ropes?	g. If another rope of 7.3 mete	rs is added to it, what is the total			
A) 19.7 meters	B) 19.8 meters	C) 19.9 meters			
75. A sack of potatoes weigh the total weight of both sack	s 12 kg 800 g and a sack of on s?	ions weighs 7 kg 200 g. What is			
A) 20 kg 000 g	B) 20 kg 100 g	C) 20 kg 200 g			
76. A bucket of paint weighs remains in the bucket?	10 kg 500 g. After using 4 kg 2	250 g of paint, how much paint			
A) 6 kg 300 g	B) 6 kg 250 g	C) 6 kg 500 g			
77. A container holds 7 litres of juice, how much juice rem	200 millilitres of juice. After pains in the container?	oouring out 3 litres 500 millilitres			
A) 3 litres 700 millilitres	B) 3 litres 800 millilitres	C) 3 litres 500 millilitres			
78. A jug contains 3 litres 500 it, what is the total amount of	D millilitres of water. If you ad of water in the jug?	d 2 litres 250 millilitres of water to			

A) 5 litres 250 millilitres B) 5 litres 500 millilitres C) 5 litres 750 millilitres

79. A car travels 120 the total distance the	km 250 m on the first car has traveled over	day and 80 km both days?	750 m on the second day. What is		
A) 201 km 250 m	B) 201 km 500	0 m	C) 201 km 000 m		
80. A truck has travel much distance remain	ed 400 km 250 m. Aften ns to be covered?	er completing a	route of 150 km 750 m, how		
A) 249 km 500 m	B) 249 km 700	0 m	C) 249 km 250 m		
	SECTION 5 - P	ERIMETER AND	AREA		
81. The perimeter of	a circle is also known a	as what?			
A) Diameter	B) Circumfere	ence	C) Radius		
82. Which formula is	used to calculate the a	area of a rectar	ıgle?		
A) Length × Width	B) 2 × (Length	ı + Width)	C) Side × Side		
83. What is the formu	ula for the perimeter c	of a square?			
A) 4 x Side	B) Side x Side		C) 2 x (length + width)		
84. What unit is assoc A) Square units (e.g C) Cubic units (e.g.,	ciated with the perime g., cm², m²) cm³, m³)	eter of a square B) Linear unit	or rectangle? s (e.g., cm, m)		
85. Find the perimete	er of a square whose si	ide is 9 m.			
A) 45 m	B) 27 m	C) 36 m			
86. The side length of	f a square is 25 cm. Wl	hat is its perime	eter?		
A) 75 cm	B) 100 cm	C) 50 cm			
87. The length and w	idth of a rectangle are	15 m and 10 m	n. What is its perimeter?		
A) 40 m	B) 70 m	C) 50 m			
88. What is the perim	neter of a rectangle wi	th a length of 3	0 m and a width of 15 m?		
A) 90 m	B) 75 m	C) 120 m			
89. A square has a sic	le length of 8 cm. Wha	at is its area?			
A) 16 cm²	B) 32 cm²	C) 64 cm ²			
90. Find the area of a	square whose side is	12 cm.			
A) 120 cm ²	B) 144 cm²	C) 60 cm ²			
91. If the length of a r A) 300 cm ²	rectangle is 25 cm and B) 400 cm ²	the width is 18 C) 450 cm²	3 cm, what is its area?		
92. The length of a re	ctangle is 40 cm, and i	its width is 25 c	m. Find the area.		
A) 800 cm ²	B) 900 cm ²	C) 1,000 cm ²			

93. A square plot of land measures 32 m on each side. What is the total perimeter of the plot?				
A) 128 m	B) 96 m	C) 64 m		
94. A square field has A) 160 m	sides of 40 m. What is B) 140 m	the length of fencing required to surround it? C) 120 m		
95. The perimeter of a	a rectangular field is 64	4 m. If its length is 20 m, what is its width?		
A) 10 m	B) 16 m	C) 12 m		
96. A rectangular noti perimeter?	ce board has a length	of 1.5 m and a width of 0.75 m. What is its		
A) 3 m	B) 4.5 m	C) 6 m		
97. A square office ha	s a side length of 20 fe	eet. What is the area of the office?		
A) 300 ft ²	B) 400 ft ²	C) 500 ft ²		
98. The side of a squa	re classroom is 18 feet	t. What is its area?		
A) 324 ft ²	B) 300 ft ²	C) 270 ft ²		
99. A rectangular tabl of the table?	e has a length of 2 me	ters and a width of 1.5 meters. What is the area		
A) 2.5 m²	B) 3 m²	C) 3.5 m²		

100. The length of a rectangular park is 30 meters, and the width is 20 meters. What is the area of the park?

A) 600 m² B) 700 m² C) 800 m²

ANSWER KEY

QUE	ANS								
1	В	21	А	41	В	61	С	81	В
2	В	22	С	42	А	62	А	82	А
3	С	23	А	43	А	63	В	83	А
4	С	24	В	44	С	64	В	84	В
5	А	25	А	45	С	65	А	85	С
6	В	26	С	46	В	66	С	86	В
7	А	27	В	47	А	67	А	87	С
8	А	28	В	48	С	68	В	88	А
9	С	29	С	49	А	69	А	89	С
10	С	30	С	50	В	70	В	90	В
11	В	31	А	51	А	71	А	91	С
12	С	32	A	52	С	72	В	92	С
13	A	33	В	53	С	73	А	93	А
14	В	34	С	54	В	74	В	94	А
15	С	35	В	55	А	75	А	95	С
16	В	36	В	56	А	76	В	96	В
17	A	37	С	57	С	77	А	97	В
18	В	38	С	58	В	78	С	98	А
19	С	39	В	59	С	79	С	99	В
20	В	40	A	60	В	80	А	100	A