

TIME: 01:00 HR

CLASS VII

NEET | JEE | FOUNDATIONS STAARS MODEL PAPER

PART A - SCIENCE (40 Marks)

1.	Which of the following materials is a poor conductor of heat?						
	a) Copper	b) Aluminium	c) Plastic	d) Iron			
2.		esses involves heat transfer v					
	a) Conduction	b) Convection	c) Radiation	d) Both (a) and (c)			
3.	The pitch of a sound	-					
	a) Amplitude	b) Frequency	c) Speed	d) Echo			
4.	Which one of the following substances turns red litmus paper blue?						
	a) Vinegar	b) Lemon juice	c) Baking soda	d) Orange juice			
5.	Which of the followi	ng is a physical change?					
	a) Rusting of iron	b) Melting of ice	c) Burning of paper	d) Digestion of food			
6.	The chemical formula		12/				
	a) Na ₂ CO ₃	b) NaCl	c) KCl	d) NaOH			
7.		hich of the following is a good source of carbohydrates?					
	a) Milk	b) Meat	c) Rice	d) Spinach			
8.	The main organs of the human respiratory system are:						
	a) Heart and Lungs	b) Nose and Lungs	c) Lungs and Trache	a d) Mouth and Heart			
9. In plants, the process of removing waste is called:							
	a) Excretion	b) Transpiration	c) Photosynthesis	d) Diffusion			
10. Which of these is not a part of the circulatory system?							
	a) Heart	b) Blood	c) Kidney	d) Blood vessels			
PART B - MATHEMATICS (40 Marks)							
11	. The value of (–5) + ((-8) + (3) is:					
	a) -10	b) -13	c) -8	d) -9			
12. Simplify: $3x + 5x - 7 = 9$							
	a) x = 2	b) $x = 3$	c) $x = 4$	d) $x = 5$			
13	13. The number which is neither prime nor composite is:						
	a) 0	b) 1	c) 2	d) 3			



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14. The sum of angles in a quadrilateral is:									
	a) 90°	b) 180°	c) 270°	d) 360°					
15.	5. A shopkeeper buys 10 pens for ₹120 and sells each for ₹15. Find his profit.								
	a) ₹20	b) ₹25	c) ₹30	d) ₹40					
16.	16. The perimeter of a rectangle is 40 cm and its length is 12 cm. Find its breadth.								
	a) 8 cm	b) 10 cm	c) 12 cm	d) 14 cm					
17. A fraction equivalent to 3/5 is:									
	a) 9/10	b) 6/10	c) 12/15	d) 15/20					
18. If $2x + 3 = 11$, find x.									
10.	a) 2	b) 3	c) 4	d) 5					
10	19. The area of a triangle with base 10 cm and height 8 cm is:								
19.	a) 40 cm ²	b) 80 cm ²	c) 50 cm ²	d) 60 cm ²					
20.	-	is 9 cm. Its perimeter is:	a) 26 am	d) 45 cm					
	a) 18 cm	b) 27 cm	c) 36 cm	d) 45 cm					
PART C - MENTAL ABILITY (20 Marks)									
PART C - MENTAL ABILITY (20 Marks) 21. Find the missing number: 3, 6, 12, 24, ? a) 36 b) 40 c) 46 d) 48									
	a) 36	b) 40	c) 46	d) 48					
22. If $A = 1$, $B = 2$, $C = 3$, then the value of the word CAT is:									
	a) 24	b) 25	c) 26	d) 27					
23.	23. Choose the odd one out:								
	a) Square	b) Rectangle	c) Triangle	d) Circle					
24. Which number will complete the series? 2, 4, 8, 16,?									
- 1.	a) 18	b) 24	c) 30	d) 32					
25	25. In a certain code, FLOWER = GMPXFS. What is GARDEN in that code?								
۷۵.	a) HBSFEO	b) HBSFDO	c) FZQDCL	d) HCTFDO					
26.	If $3 + 4 = 25$ and $5 + 1$		a) 100	J) 121					
	a) 64	b) 81	c) 100	d) 121					
27. Find the next term in the series: 7, 10, 8, 11, 9, 12, ?									
	a) 10	b) 13	c) 14	d) 15					
28. A clock shows 6:00. The angle between the hour and minute hand is:									
	a) 90°	b) 120°	c) 150°	d) 180°					



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29. Choose the odd pair:

a) Doctor – Hospital b) Teacher – School c) Pilot – Plane d) Farmer – Ship

30. If MONDAY = 72, what is SUNDAY?

a) 84 b) 87 c) 90 d) 93

Note to Parents and Students:

This is a model paper designed to show the pattern and standard of the STAARS Scholarship Test. The actual paper's difficulty and question distribution may vary slightly in the final test.

