

CLASS IX

NEET | JEE | FOUNDATIONS STAARS MODEL PAPER

TIME: 01:00HR

PART A - SCIENCE (40 Marks)

1.	Which of the following quantal a) Velocity	ntities remains constant in u b) Acceleration	niform circular motic c) Speed	on? d) Displacement		
2.	An object is thrown upward a) 10 m	l with a velocity of 20 m/s. T b) 15 m	he maximum height i c) 20 m	It reaches is $(g = 10 \text{ m/s}^2)$: d) 30 m		
3.	A car accelerates uniformly a) 50 m	from rest to 20 m/s in 10 s . b) 100 m	The distance covered c) 150 m	is: d) 200 m		
4.	The unit of force is: a) Watt	b) Joule	c) Newton	d) Pascal		
5.	Which among the following a) Sodium	s is a mixture? b) Carbon dioxide	c) Air	d) Sulphur		
6.	Metals are generally: a) Ductile	b) Brittle	c) Non-conductors	d) Non-malleable		
7.	Which of the following is a a a) Melting of ice	chemical change? b) Boiling of water	c) Rusting of iron	d) Breaking of glass		
8.	Which subatomic particle d a) Neutron	etermines the atomic number b) Electron	er of an element? c) Proton	d) Nucleus		
9.	Which organelle is called tha) Nucleus	ne "powerhouse of the cell"? b) Mitochondria	c) Ribosome	d) Golgi body		
10	. Which tissue transports foc a) Xylem	od in plants? b) Phloem	c) Parenchyma	d) Collenchyma		
PART B - MATHEMATICS (40 Marks)						
11	Simplify: $3x + 2x - 5x = ?$ a) $10x$	b) 0	c) x	d) None		
12	If $3x + 5 = 20$, then $x = ?$	b) 10	c) 15	d) 20		
13	The value of $(a + b)^2$ is: a) $a^2 + b^2$	b) $a^2 + b^2 + 2ab$	c) $a^2 - 2ab + b^2$	d) (a + b)/2		

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14. The sum of the angles of a tag) 90°	triangle is: b) 180°	c) 270°	d) 360°			
15. The perimeter of a square (of side 8 cm is: b) 24 cm	c) 32 cm	d) 64 cm			
16. The area of a circle of radiu a) 44 cm ²	as 7 cm (π = 22/7) is: b) 77 cm ²	c) 154 cm ²	d) 49 cm ²			
17. The solution of $2x - 3 = 7$ is a) 2	s: b) 3	c) 5	d) 7			
18. The ratio of 3 hours to 30 r a) 1:6	ninutes is: b) 6:1	c) 3:1	d) 1:3			
19. The HCF of 36 and 48 is: a) 6	b) 8	c) 12	d) 18			
20. A number is divisible by 3 i a) The last digit is even	if:	b) The last digit is 0				
c) The sum of digits is divis	sible by 3	d) It ends in 3				
PART C - MENTAL ABILITY (20 Marks)						
21. Find the missing term: 2, 6 a) 40	, 12, 20, 30, ? b) 42 BAT = ?	c) 48	d) 50			
22. If CAT = 24, DOG = 26, then a) 22	BAT = ? b) 23	c) 24	d) 25			
23. In a code language, BOOK = a) 49	47, PEN = 35, then NOTE = 3 b) 48	c) 47	d) 46			
24. Find the odd one out: 3, 6, 6 a) 6	9, 12, 15, 21 b) 9	c) 21	d) 12			
25. If $8 \times 3 = 66$ and $4 \times 2 = 24$, a) 30	then 5 × 3 = ? b) 35	c) 40	d) 45			
26. A cube has all its faces painted and is cut into 8 smaller cubes. How many small cubes will have 2 faces painted?						
a) 0	b) 2	c) 4	d) 8			

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27. A clock shows 3:15. What is the angle between the hour and minute hands?

a) 7.5°

b) 15°

c) 37.5°

d) 45°

28. If 7 = 56, 6 = 42, 5 = 30, then 4 = ?

a) 20

b) 24

c) 25

d) 22

29. Identify the odd pair:

a) Teacher - School

b) Doctor – Hospital

c) Pilot – Plane

d) Chef - Hospital

30. If A = 1, B = 2, ... Z = 26, then find the sum of the letters in "STAARS".

a) 86

b) 89

c) 90

d) 91

Note to Parents and Students:

This is a model paper designed to give an idea about the pattern and structure of the STAARS Scholarship Test. The actual paper's standard and question distribution may vary slightly based on the final test design.