V95

Virudhunagar District

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Common Third Mid Term Test - 2025

Standard 9

Tim	e: 1	.30 Hrs.	SCIE	NCE	Marks: 50	
I.	Choose the correct answer:				8×1=8	
		SI unit of temper				
	-/	a) Fahrenheit	그런 것이다. 그리고 하다 그리고 있다.	c) Celsius	d) Kelvin	
	2)	Calorie is the uni				
		a) heat	b) work	c) temperature	d) food	
		Speed of sound in				
	•	a) 330 m/s		c) 3×10 ⁸ m/s	d) 300 m/s	
	4)	A phenomenon in which an element exists in different modification in sam physical state is called				
				c) catenation	d) crystallinity	
	5)			of carbon obtained from		
	3)	a) diamond			d) gas carbon	
	6)	a) diamond b) fullerene c) graphite d) gas carbon The age of a dead animal can be determined by using an isotope of				
	. (9,)	a) Carbon	b) Iodine	c) Phosphorous		
	7)			is commonly used fo		
	,			c) Apis mellifera		
	8)			and vascular plants		
· .		a) Lichen	4	c) Mycorhizae	d) Azotobacter	
				V		
11.	Answer ANY 6 questions: [Q.No. 10 is compulsory] 6×2=12					
	9)) Differentiate convection and radiation.				
	10)	An iron ball requires 5000J heat energy to raise its temperature by 20k.				
		Calculate the heat capacity of iron ball.				
	11)	Through which medium sound travels faster, iron or water? Give reason.				
; - ·		Write all possible isomers of C ₂ H ₆ O.				
		What are called Anaesthetics?				
	14)	Fill in the blanks:				
		i) Painkiller drug				
	•	ii) is a chemical used in finger print analysis.				
		What are the types of vegetable garden?				
	16)	Mention any two	mushroom preser	vation methods.		
ш.	Ans	Answer ANY 4 questions: [Q.No. 19 is compulsory] 4×4=16				
17) Explain convection in daily life.						
	18)	Explain how does SONAR work?				
	.19) a) What is the wavelength of a sound wave in air at 20°C v of 22 MHz?			OC with a frequency		
		b) You and your produced by y		moon. Will you be ab	le to hear any sound	
	20)	What is catenation? How does carbon form catenated compounds?				

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21) a) Match it:

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1. Corrosion prevention - Large surface area

2. Hyperthyroidism - Identification of cancer cells

3. Nanoparticle - Electroplating4. Nanorobotics - Iodine - 131

b) What is Radio Carbon Dating?

22) Enumerate the advantages of vermicompost over chemical fertilizer.

IV. Answer all questions:

2×7=14

23) a) Why do people prefer wearing white clothes during summer?

b) List the applications of sound.

(OR)

a) Why are one-time use and throw away plastics harmful?

b) Explain the types of dyes based on their method of application.

24) a) List the medicinal importance of honey.

b) Farmyard manure and Sheep manure - Differentiate.

(OR)

a) Give an account of different types of fish ponds used for rearing fishes.

b) Write any four medicinal plants.