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Common Third Mid Term Test - February 2023

# Standard 9 SCIENCE

Marks: 50

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Time:	1	20	Hrs
11115.			1113

Title.	1.30 Hrs.	PAR	T-I	
	hoose the correct	answer!		7×1=7
	.) Calorie is the uni			
1	a) heat	b) work	c) temperature	d) food
2	) The fastest mod	e of heat transfer	is	
	a) conduction	b) radiation	c) convection	
3	) Number of vibrat	ions produced in	one second is	
	a) Frequency	b) Sound	c) Amplitude	
4)	Carbon forms lar	ge number of org	anic compounds due t	to
	a) Allotropy	h) Isomerism	c) letra valency	d) Catenation
5)	Graphene is one	atom thick layar	of carbon obtained fro	om
	a) Diamond	b) Fullerene	c) Graphite	D) Gas carbon
6)	Drones in the hor	ney bee colony ar	e formed from	
	a) unfertilized eg		b) fertilized egg	
	c) parthenogenes	is	d) both a and c	
7)	Which Indian var	ety of honey bee	is commonly used for	or apiculture?
	a) Apis dorsata		c) Apis mellifera	d) Apis Indica
_		PART	-11	5×2=10
	. Answer any fiv		rompulsory	
	. Answer to que			
•	Ice is kept in a do			
9)	Name the physica	I quantity whose	eturns from the sea-	hed and is detected
10)	A snip serius out	o speed of ultra	sound through seav	vater is $1531 \text{ ms}^{-1}$ .
	What is the distar			7466. 10 2022
443		ice of the sea-be	tu nom the sinp.	
,	Define Allotrophy.	d throw 2	way plactice harmful	?
			way plastics harmful	•
	What are seconda	•	vation mothods	
14)	Mention any two m	iusnroom preser	vation methods.	
		PART -	TTT	
Note: 1	Answer any the	A	114	3×4=12
•	Answer any thr Answer to ques		omnulsorv	
Z.	Allower to ques	riou no. Ti is co	Jiiipuisoi yi	

b) Write all possible Isomers of C<sub>4</sub>H<sub>10</sub>.

17) a) Differentiate graphite and diamond.

15) Explain convection in daily life.16) List the applications of sound.

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18) a) List the medicinal importance of honey.

b) Match it:

Pearl Lobsters

Shell fish Catla

Vegetable farming Oysters Fin fish

Olericulture -

19) Enumerate the advantages of Hydroponics.

## PART-IV

3×7=21

- Note: 1. Answer all the questions.
  - 2. Each question carries 7 marks.
  - 20) Describe with diagram, how compressions and rarefactions are produced.

### (OR)

Explain how does SONAR work.

- 21) a) What is catenation? How does carbon form catenated compounds?
  - b) Name any two safer resin codes of plastics and describe their features.

#### (OR)

- a) What are the chemical reactions of carbon?
- b) When a carbon fuel burns in less aerated room, it is dangerous to say there. Why?
- 22) Define mushroom culture. Explain the mushroom cultivation methods.

#### (OR)

- a) Give an account of different types of ponds used for rearing fishes.
- b) Bio manuring plays an important role in agriculture Justify.

Kindly send me your questions and answerkeys to us: Padasalai.Net@gmail.com