Class: 10

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# SECOND MID TERM TEST-NOVEMBER - 2023

Tin	ne Allowed: 1.30 Hours]		SCIENC	E		[Max. Marks: 50		
	Second to the second second		PART - I	i u di	granding the			
1.	Choose the best ans	wer.		h		9x1= 9		
1.	When a sound wave tra							
	(a) Vibrate along the d	t kaj martin japan kasan ja ki Lingsof foreste japan ka						
	(b) Vibrate but not in a	ny fixe	ed direction					
	(c) Vibrate perpendicu	ate perpendicular to the direction of the wave motion						
2.	The frequency, which i	W116 284 / / S						
	(a) 50 kHz	(b)	20 kHz	(c)	15000 kHz	(d) 10000 kHz		
3.	isotope is use							
	(a) Radio Iodine	(b)	Radio Cobalt	(c)	Radio Carbon	(d) Radio Nickel		
4.	Photolysis is decompo							
	(a) Heat			(b)	Electricity			
	(c) Light			(d)	Mechanical en	ergy		
5.	TFM is soaps represen	nts	content in s	Today Long Ave t				
	(a) Mineral	(b)	Vitamin	(c)	Fatty acid	(d) Carbohydrate		
6.	The term Ethnobotany	was o	coined by	t.		en de de la companya de la companya La companya de la co		
	(a) Khorana	- PACE 1	J.W. Harsbberger					
7.	Pusa Komal is a disea	그는 경우를 수십시 시트라이트 그 그 그 그 없는 것 같아.						
	(a) Sugarcane	100				(d)Maize		
В.	World 'No Tobacco Da							
	(a) May 31	Will other	June 6	(c)	April 22	(d)October 2		
9.	Polyphagia is a conditi	Element of the						
	(a) Obesity	10	Diabetes mellitus					
			PART -			oidus (d) AIDS		
II.	Answer any four of t	he fo			The second second	under the said for		
	Answer any four of the following questions.  4x2  Name three animals, which can hear Ultrasonic Vibrations.							
M.	The times animals, v	VIIICII	call near Ultrasonic	VII.	orations.			

11. Give any two uses of Radio Isotopes in the field of Agriculture.

12. Why does the reaction rate of a reaction increase on raising the Temperature?

CP/10/Sci/1

# 13. Fill in the blanks:

- a) The normal pH of Human blood is -----
- b) 100 % pure ethanol is called -----
- 14. Define Ethnobotany.
- 15. A sound wave has a frequency of 200 Hz and a speed of 400 ms<sup>-1</sup> in a medium. Find the wave length of the sound wave.

# PART - III

# Ill. Answer any three of the following.

3x4=12

- 16. a) What is the audible range of Frequency?
  - b) Mention two cases in which there is no Doppler effect in sound.
- 17. Write any four features of Natural and Artificial radioactivity.
- 18. a) Define Combination Reaction
  - b) Give one example for an Exothermic combination reaction.
- 19. a) Define Genetic Engineering.
  - b) Name the types of Stem cells.
- 20. a) What are Psychotropic Drugs?
  - b) How is a cancer cell different from a normal cell?

#### PART - IV

# IV. Answer in detail.

3x7=21

- 21. a) What is an Echo?
  - (i) State two conditions necessary for hearing an echo.
  - (ii) What are the Medical application of Echo?
  - (iii) How can you calculate the speed of sound using Echo?

## (OR)

- b) Compare the properties of Alpha, beta and gamma radiations.
- 22. a) What is a Chemical Equilibrium? What are its characteristics.

### (OR)

- b) What is called Homologous series? Give any five of its characteristics.
- 23. a) (i) Why is Archaeopteryx considered to be a connecting link?
  - (ii) How do you differentiate Homologous organs from Analogous organs?

## (OR)

- b) i) State the applications of DNA Fingerprinting Technique.
  - ii) Discuss the Importance of Biotechnology in the field of Medicine.

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