SECOND MID TERM TEST - 2023

SCIENCE

IIME: 1.30 Hrs You lube/	kwa Acade	my
I. Choose the correct answer.	Alexander Control	10 x 1 = 10
1. The sound waves are reflected from	an obstacle into the s	ame medium from which
they were incident. Which of the follow		
a) speed b) frequency	c) wavelength	d) none of these
2. Unit of radioactivity is		off-normal and a series of the
a) roentgen b) Curie	c) becquerel	d) all the above
3. Proton - Proton chain reaction is an e	xample of	and the same
a) Nuclear fission b) α - decay	c) Nuclear	fusion d) β - decay
4. The frequency which is audible to the	human ear is	A. A. A.
a) 50 KHz b) 20 KHz	c) 15000 KHz	d) 10000 KHz
5. $H_{2(q)} + CI_{2(q)} \rightarrow 2HCL_{(q)}$ is a		TO THE RESERVE OF
a) Decomposition reaction	b) combination rea	action
c) Single displacement reaction	d) Double displace	ement reaction
6. Powdered CaCO ₃ reacts more rapidly	y than flaky CaCO, be	ecause of
a) high surface area b) high pressu		
7. The "use and disuse theory" was prop		
a) Charles Darwin b) Ernst Haeckel		arck d) Gregor Mendal
8. Palaentologists deal with		
a) Embryological evidences	b) Fossil evidence	es
c) Vestigial organ evidences	d) All the above	
9. We can cut the DNA with the help of		
	nuclease c) Knife	d) RNAase
10. In a hexaploid wheat (2n = 6x = 42) th		
chromosomes respectively are		
a) $n = 7$ and $x = 21$ b) $n = 21$ and $x = 21$	= 21 c) n = 7 and x	= 7, d) n = 21 and x = 7
II. Answer any seven questions. Q.No.	20 compulsory.	7 x 2 = 14
11. Why does sound travel faster on a ra	iny day than on a dry	day?
12. Mention two cases in which there is r		
13. Match the following:		
a) Fuel - lead		
b) Moderator - heavy wate	r in	
c) Control rods - Cadmium r		
d) Shield - Uranium	A TOTAL PROPERTY.	
14. Why does the reaction rate of a react		othe temperature?
4000		g comporatoro

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