B.Ed. Programme - PART-B: PHYSICAL SCIENCE Model Question Paper

Questions: 100 Marks: 100

TIME: 100 Mins

	SAMPLE QUESTIONS						
1. If a body is taken from the earth to the moon							
	 A) its mass will be different but weight will remain the same B) both mass and weight will be different C) its mass will remain the same but weight will be different D) its mass and weight will be unchanged 						
2.	The correct definition of an oxidizing agent is						
	A) an electron donorC) a proton donor	B) an electron acceptorD) a proton acceptor					
3.	The active ingredient in bleaching powder is						
	A) calcium carbonateC) calcium hydroxide	B) calcium hypochloriteD) calcium chloride					
4.	Geometrical isomerism is possible in the case of						
	A) Pentane B) Propane	C) Butane	D) Ethane				
5.	Fish can survive inside a frozen lake because						
	A) it is good conductor of heatB) fish hibernate in ice	B) fish is warm blooded anD) water near bottom does					
6.	Television signals cannot be received ordinarily beyond a particular distance due to						
	 A) weakness of the signal B) weak antenna C) curvature of the earth D) absorption of signal in the air. 						
7.	A regular hexagonal crystalline lattice of ice is formed by						
	A) ionic bondC) covalent bond	B) hydrogen bondD) metallic bond					
8.	The mole fraction of O ₂ in a mixture of CH ₄ and O ₂ containing equal masses is						
	A) ½ B) ¼ C) 1	/3 D) 2/3					
9.	The hydrolysis of ethylacetate is a read	etion of					
	A) first orderC) third order	B) second orderD) zero order					
10.	0. An astronaut cannot hear his companion at the surface of the moon because						
	 A) produced frequencies are above the audio frequencies B) there is no medium for sound propagation C) temperature is too low during night and too high during day 						

D) there are too many craters on the surface of the moon

11. An air bore attached to a musical instrument increases the						
	A) pitch of the soundC) quality of the sound	· · · · · · · · · · · · · · · · · · ·	intensity of the sound shrillness of the sound			
12.	2. The pair of compounds which cannot exist together in solution is					
	A) NaHCO₃ and NaOHC) Na₃CO₃ and NaOH	· · · · · · · · · · · · · · · · · · ·	Na ₂ CO ₃ and NaHCO ₃ NaHCO ₃ and NaCl			
13.	13. Isocyanide test is used to detect					
	A) primary alcoholsC) secondary amines	,	primary amines secondary alcohols			
14. The earth's magnetic field always has a horizontal component except at						
	A) equatorC) a latitude of 60 deg,	· · · · · · · · · · · · · · · · · · ·	magnetic pole a latitude of 45 deg.			
15.	15. The medicinal substance given against the intake of poisons or to prevent a disease from having an effect is known as					
	A) antibody	B) antigen	C) antidote	D) antibiotic		
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