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	1.	Speed of light is						
$3.0 \times 10^{8} \text{m/s}$ c. $4.5 \times 10^{8} \text{m/s}$		a. 3.0×10 ⁸ m/s		c	4.5×10 ⁸ m/s			
b. 6.0×10 ⁸ m/s d. 1.0×10 ⁸ m/s								

Nordale Signature

S.Y.B.Sc.SEM III EXAM

2. is used as a source of vis	ible radiation.
a. Hydrogen lamp	c Nernst glower
	d. Tungsten filament lamp
b. Deuterium lamp	phase is coated on plane surface.
	c. Solvent system
a. Stationary	d Solvent front
b. Mobile	, linked through oxygen atoms.
4. Cellulose is a homopolysaccharide of _	c. Glucose
a. Sucrose	d. Fructose
b. Galactose	
b. Galactose 5. In paper chromatography, sample is app	c. Pencil
a. Capillary tube	d. None of the above
b. Pin6. An ideal solvent system should be chos	en such that the two phases are
6. An ideal solvent system should be chos	c. Immiscible
a. Diluted	d. Coloured
b. Concentrated7. The material of which the thin layer is p	prepared to be mixed with to make
slurry. a. Acetone	c. Ethyl alcohol
1 Formaldehyde	d. Water
8. In column chromatography, columns ha	at the bottom to support
stationary phase.	
a. Plastic	c. PVC
b. Sintered glass plate	d. Ash
Q. III) B) Explain the terms. (Any two)	(04)
1. Polychromatic source of light	3. Cuvette
2. Frequency of a light	4. Filters
Q. III) C) Explain the following.(any two)	(12)
1. Any two types of paper chromatography	/.
2. The columns used in column chromatog	graphy.
3. Principle of Thin Layer Chromatograph	y and add a note on its advantage
4. Bouger- Lambert law of absorption.	
Q.IV) Write a note on (any Three) of the foll	
1. Reversible Enzyme Inhibition	(15)
2. Difference between Synthase and synthe	etase.
3. Souring of muscles	
4. PDH complex	
5. Applications of colorimeter.	
6. Wavelength selector in colorimeter	