1810N693

B.Sc Sem.-3 Examination

CC-201

Biochemistry

Time: 2-30 Hours] October-2024 [Max. Marks: 70

01.6	(A) Deficient A	
Q1. (7	(4)
,	Tabscipaton Cullation (Tive the transport	(4)
(*	C) Give any three reasons why water is a universal solvent	(7)
Q1. (A	OD	(3)
Q1. (A	their role.	(7)
·	a labelled diagram.	(7)
Q2. (A	Tosure, State Vant Hott love of O	(6)
02 (4	OB	(8)
Q2. (A	surface tension in digestion of fat	(7)
Q3. (A	detail	(7)
(B)	2. Ammonium persulphate 3.SDS 4. Coomassie Brilliant blue	(08)
		(06)
Q3. (A)	OR Explain principle and working advantages and disadvantages of TLC Write a brief note on Column 1	()
(B)	a offer note on Column enromatography.	(09) (05)
Q4. (A)		` ,
(B)	Discuss the differences between Colorimeters and Spectrophotometers.	(08)
	AD	(06)
Q4. (A)	Discuss the principle, parts and applications of a Spectrofluorometer	` ,
(B)	and explain Lambert Beer's law.	(08) (06)
Q5.	Attempt any Seven out of the following:	
1.	what is K_w	(14)
2.	Calculate the pH of a solution whose pOH is 10	
3.	List any two factors which affect pH	
4. -	Explain one important physiological role of a second	
5.	what the diffus of viscosity. Name the apparetus used to	
6. 7		
7.	Define: R _f	
8.	What is the stationary phase in paper chromatography & HPLC	
9.	- we appreamons of SDS - PAGE	
10.	Give any two limitations of Lambert Rougland	
II.	Explain the role of complementary filter in Col.	
12.	What is the role of a detector?	