2021

Physiology

[First Semester]

Paper - C2T

Full Marks: 40

Time: 2 hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

1. Answer any five questions from the following. $5\times2=10$

a)	What do you understand by nuclos	ides and
	nucleotides?	2
b)	What is saponification?	2
c)	What do you mean by amphoteric nature?	2
d)	What is mutarotation?	2
e)	What is chair-boat isomerism?	2
		(Turn Over)

Write differentiate between reducing and non reducing

		sugar.	2
	g)	Why sucrose is called invert sugar?	2
	h)	What is Chargaff's rule?	2
2.	Ans	swer any four questions from the following. $4\times5=2$	20
_,	a)	Write the difference between B-DNA and Z-DNA.	
	b)	Explain about the bonds that stabilize the higher structure of proteins.	
	c)	What do you mean by salting in and salting out? $2\frac{1}{2}+2$	$2\frac{1}{2}$
	d)	Write short note on iso-electric point of protein are its importance?	nd 5
	e)	What do you mean by Acid number? What as sphingomyclins?	
	f)	Explain about pyranose & furanose isomerism. $2\frac{1}{2}+2$	$2\frac{1}{2}$

3. Answer any one questions from the following $.1 \times 10 = 10$

a) Write about the structure of t-RNA with suitable diagram? Explain the titration curve of amino acids.

5+5

b) Write about the Watson and Crick model of DNA.
Write a short note on biological importance of peptides.

5+5

B.Sc. RNLK-/Physiology/C2T/21