2021

Physiology

[First Semester]

Paper - C1T

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.

I.	Answer any five questions:		5×2=10
	a)	What are peroxisomes?	
	b)	What are isozymes?	2
	c)	What are cytoskelital elements?	2
	d)	What is an ion chennel? Givn an example.	1+1
	e)	Define a gap junction.	2

(Turn Over)

2

What is an apoenzyme?

f)

 a) Mention the functions of lysosomes. Differ betwen Cofactor and prosthetic group. b) Differentiate between competetive & non-competinhibition with labelled diagram. c) What is active and passive transport? Differ between them. d) Write about the effect on substrats concentration pH on enzyme action. e) What is allosteric modification? What do 	difference between ribozymes and abzymes?	
 2. Answer any four questions. a) Mention the functions of lysosomes. Differ betwen Cofactor and prosthetic group. b) Differentiate between competetive & non-competinhibition with labelled diagram. c) What is active and passive transport? Differ between them. d) Write about the effect on substrats concentration pH on enzyme action. e) What is allosteric modification? What do understand by rate-limiting enzyme? f) Write about Lineweaver Burk equation. When the properties of the properti	2	
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	What is	

3. Answer any one question.

 $10 \times 1 = 10$

- a) Describe structure of plasma membrane with a labelled diagram. Write a note on Fluid mosaic model of plasma membrane. 5+5
- b) State the principle of electron microscope. Describe the electron microscopic structure of nucleolus with its function.

 2+4+4

B.Sc. RNLK-/Physiology/C1T/21