

2/42

0806E473

Candidate's Seat No : _____

M.Sc Sem.-2 Examination

P - 408

Biochemistry

June 2022

Time : 2-00 Hours]

[Max. Marks : 50

Instructions:

All questions in Section I & II carry equal marks
Illustrate your answers with neat diagrams wherever necessary.

Section- I Answer in detail (Any six)		[42]
1	Describe the physico-chemical properties and composition of blood	
2	Write a brief description on structure, function & types of hemoglobin(Hb)	
3	Define Leucopoiesis and describe various types of Leucocytes	
4	Describe the structure and function of Red Blood Cells	
5	Describe in detail the physiology of muscle contraction with diagram	
6	Write a note on the structure of neurons with diagram	
7	Explain chemical coordination of hormones in detail	
8	Give a detail description of physiology of respiration	
9	Describe the physiology of digestion	
10	Explain in brief Anatomy of lungs in detail	
11	Write a brief note on blood plasma	
12	Explain Structure and function of kidney	

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Section -II Answer any eight		[08]
1	Erythrocyte has a diameter between _____ micron	
2	Erythropoietin is secreted by: _____	
3	Metabolic acidosis happens when blood pH is ____ than physiological pH	
4	According to size distribution, small sized RBS are called: _____	
5	How many lobes are present in right lung?	
6	Name the major protein in thick filaments?	
7	A band of sarcomere change during contraction: True or false	
8	Hemopoiesis is formation of RBC from hematopoietic stem cell: True/False	
9	Name a disease showing defect in RBC	
10	How many total ATP produced at the end of glycolysis?	
11	Name an Antigen presenting cell: _____	
12	Name one granulocyte _____	
13	Write 2 important features of cardiac muscles	
14	Name two neurotransmitters	

—X—