

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, 7 marks each)

[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(1 mark each)

- 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

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