

Code No. 3210

**FACULTY OF SCIENCE****B.Sc. V-Semester (CBCS) Examination, November / December 2018****Subject : Biochemistry (Physiology and Clinical Biochemistry)****Paper – V****(DSC)****Time : 3 Hours****Max. Marks: 60****PART – A (5 x 3 = 15 Marks)****(Short Answer Type)****Note : Answer any FIVE of the following questions.**

- ✓1 Write a note on composition of blood.
- 2 What are the Cardiac factors controlling blood pressure?
- ✓3 How are the hormones classified?
- 4 What are the different hypothalamic hormones?
- ✓5 SGPT
- ✓6 Abnormal constituents of urine
- ✓7 Adrenal medullary hormones
- ✓8 HDL/LDL cholesterol

**PART – B (3 x 15 = 45 Marks)****(Essay Answer Type)****Note: Answer ALL questions.**

- 9 ✓(a) Explain the different contractile proteins and mechanism of muscle contraction.  
**OR**  
(b) Explain the structure of neuron and the propagation of nerve impulse.
- 10 (a) Explain the chemistry and physiological role of pancreatic hormones.  
**OR**  
✓(b) Explain the mechanism of peptide hormone action.
- 11 (a) Write a note on functions of liver. Explain the various liver function tests.  
**OR**  
✓(b) Explain the role of kidneys in maintaining the acid base and electrolyte balance in the body.

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