

Con. 9502-12.

(old center)

CN-2873

Sem I (A)

(2 Hours)

[Total Marks : 40

3/12/12

- N.B.:** (1) Question No.1 is **compulsory**.
 (2) Attempt any **four** questions from Question Nos. 2 to 6.
 (3) Draw **diagrams** wherever **necessary**.

1. (a) Draw a neat labeled diagram of the TS of lymph node. 4
 (b) Explain the structure of plasma membrane with a neat diagram and discuss its functions. 4
 2. Describe the connective tissue and its various types with neat labeled diagrams. 8
 3. (a) What are the cellular components of blood ? 4
 (b) Explain the process of leucopoiesis. 4
 4. (a) Compare and differentiate between isotonic and isometric contraction. 4
 (b) How does a skeletal muscle fibre derive energy for contraction ? 4
 5. (a) Explain the formation and composition of lymph. 4
 (b) Explain the anatomy and physiology of a neuromuscular junction. 4
 6. Write short notes on any **two** :— 8
 - (a) Hemostasis
 - (b) Spasticity
 - (c) Nervous tissue
 - (d) Exocytosis.
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