

Sem - I
Con. 2266-10.

Anatomy, Physiology &
Pathophysiology - I

MX-8446

26/4/10

(2 Hours)

[Total Marks : 40

- 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) Explain the process of erythropoiesis in detail. 4
(b) State composition of blood. 4
 2. (a) Describe in detail structure of plasma membrane. 4
(b) Explain the process of active transport across cell membrane. 4
 3. (a) Explain the formation and composition of lymph. 3
(b) Describe with neat labelled diagram the structure of spleen. 5
 4. (a) Enumerate differences between skeletal muscle and smooth muscle. 8
(b) Explain the physiology of skeletal muscle contraction.
 5. Write notes on any **two** of the following :—
(a) Type I hypersensitivity reactions
(b) Erythroblastosis foetalis 8
(c) AIDS.
 6. Explain the following any **two** of the following :—
(a) Exocytosis
(b) W. B. C.
(c) Isotonic and Isometric Contractions.
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