

pn. 5447-08.

(REVISED COURSE)

4/12/08

RC-8762

(3 Hours)

[Total Marks : 100

- B. : (1) Question No. 1 is **compulsory**.  
(2) Attempt any **four** questions out of the remaining **six** questions.  
(3) Illustrate answers with **sketches** wherever **necessary**.
- (a) Define Cell, Tissue, organ & system with examples. 10  
(b) Describe the structure and properties of skeletal muscle. 10  
What are the special properties of cardiac muscle ?
- (a) Describe the process of conduction of the cardiac impulse. 10  
(b) Describe the factors which maintain the Blood Pressure. 10
- (a) Describe the anatomy of the stomach. What are the functions of Gastric juice ? 10  
(b) Write short notes on :- 10  
(i) Peristalsis  
(ii) Functions of Bile.
- (a) Describe the microscopic structure of a Nephron. 10  
(b) Explain the formation of urine. 10
- (a) Describe the mechanics of Respiration. 10  
(b) Describe the exchange of gases in the lungs. 10
- (a) Describe the microscopic structure of a Neuron. 10  
Describe the various lobes of the Cerebrum.  
(b) Describe the structure and function of the Testis. 10
- (a) Describe the structure of the internal ear. 10  
(b) Write short notes on any **four** :- 10  
(i) Functions of Skin  
(ii) Lens of the Eye  
(iii) Thyroxine

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