

No. 2763-08.

(REVISED COURSE)

CO-9595

(3 Hours)

[Total Marks : 100

B. : (1) Question No. 1 is **compulsory**.(2) Attempt any **four** questions out of remaining **six** questions.(3) **Figures** to the **right** indicate **full** marks.

- (a) Draw and label a typical human cell. Also discuss the important functions of each organelle. 10
- (b) Define tissue. Describe the structure and function of different types of connective tissues. Also state their location in the body. 10
- (a) Describe the conduction system of the heart. 10
- (b) Describe the different types of blood cells with their functions. 10
- (a) List the various respiratory muscles and explain their action during respiration. 10
- (b) Describe the process of urine formation. 10
- (a) Describe the structure of small intestine and also explain its function. 10
- (b) List the enzymes secreted by Liver and Pancreas and describe the function of each in detail. 10
- a) Write short notes on :- 10
- (i) Functions of cerebellum
- (ii) Medulla oblongata.
- b) List the hormones secreted by anterior pituitary gland and describe the role of growth hormone. 10
- a) Describe the structure of eye and state the functions of retina. 10
- b) Describe the sliding filament theory of muscle contraction. 10
- .Write short notes on any **four** :- 20
- (a) Thyroxine—Action and functions
- (b) Peristalsis
- (c) Spermatogenesis
- (d) Middle ear
- (e) Functions of skin.
