



HUMAN ANATOMY AND PHYSIOLOGY-II

Paper—3

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. 1 is compulsory.

(2) Solve any **four** questions from remaining.

(3) Draw well labelled diagram wherever necessary.

1. Attempt any **five** of the following :

(i) Describe location and functions of thyroid gland.

(ii) Mention the major regions and functions of large intestine.

(iii) Explain the regulation of gastric secretion.

(iv) Explain the organization and functions of brain stem.

(v) Describe structure and functions of cerebellum.

(vi) List various functions of liver.

(vii) Draw well labelled diagram of skin.

20

2. (a) Describe physiology of pituitary hormones.

10

(b) Explain various functional areas of cerebrum.

5

3. (a) Explain renin-angiotensin system.

7

(b) Write physiological functions of estrogen and progesterone.

8

4. (a) Explain the physiology of hearing.

5

(b) Describe in detail about the process of urine formation.

10

5. Discuss the internal structure of eye. Explain mechanism involved in physiology of vision.

15

6. Explain organization and functions of autonomous nervous system in detail.

15

7. (a) Describe internal structure and functions of small intestine.

7

(b) Write composition and functions of saliva.

8