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Sub Code: RPH404

Roll No. XXXXXXXXXX

B. PHARM.
(SEM II) THEORY EXAMINATION 2017-18
ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY-III

*Time: 3 Hours**Total Marks: 70*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.
2. Draw well labeled diagram wherever required.

SECTION A

1. Attempt *all* questions in brief. 2 x 7 = 14

- a. Define cellular respiration OR residual volume.
- b. Name the layers of heart wall.
- c. Define phagocytosis.
- d. What is the full form of AIDS?
- e. Which endocrine gland is known as master gland?
- f. Name the hormones releases from pancreas.
- g. Define cell injury.

SECTION B

2. Attempt any *three* of the following: 7 x 3 = 21

- a. Explain the anatomy of heart with the help of well labeled diagram.
- b. Explain the structure and functions of different parts of respiratory system?
- c. Draw a well labeled diagram of male reproductive system.
- d. Write a note on structure of thyroid gland. Explain the release and functions of thyroid hormones.
- e. Explain the mechanism of reversible cell injury mediated by hypoxia and ischemia.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7

- a. Write a note on pathophysiology of Tuberculosis.
- b. Write a descriptive note on regulation of respiration.

4. Attempt any *one* part of the following: 7 x 1 = 7

- a. Write a note on conducting system of heart.
- b. Write in detail about pathophysiology of hypertension.

5. Attempt any *one* part of the following:

7 x 1 = 7

- a. What is oogenesis? Explain.
- b. Write a note on syphilis.

6. Attempt any *one* part of the following:

7 x 1 = 7

- a. Write in detail about pathophysiology of diabetes mellitus.
- b. Write a note on disorders caused by hypo & hyper secretion of growth hormone.

7. Attempt any *one* part of the following:

7 x 1 = 7

- a. Write a note on mediators of inflammation.
- b. Write in detail about any two:
 - i. Hyperplasia
 - ii. Atrophy
 - iii. Metaplasia