Printed Pages: 02 **Sub Code: RPH404**

Paper Id: | 1 | 5 | 0 | 4 | 3 | 2 | **Roll No.** | | | | | | | | | | |

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