**Printed Pages:1** **Sub Code:RPH-304**

**Paper Id:** 150313 **Roll No.** | | | | | | | | | | |

**B PHARM**

**(SEM -III) THEORY EXAMINATION 2018-19**

**ANATOMY PHYSIOLOGY AND PATHOPHYSIOLOGY-III**

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

**Note: 1.** Attempt all Sections.

## SECTION A

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

a. Define tidal volume.
b. Name the largest endocrine gland.
c. Define chemotaxis.
d. Enlist various waves of ECG.
e. Give the functions of Leydig's cells and Sertoli cells.
f. What it cretinism?
g. Define the term metaplasia.

## SECTION B

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

a. Explain the structure and function of lungs.
b. Write short note on plasma and cell derived inflammatory mediators.
c. Write short note on cardiac cycle &cardiac output.
d. Describe the process of spermatogenesis and Oogenesis.
e. Write short note on diabetes mellitus.

## SECTION C

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

(a) Explain the pathophysiology of Asthma.
(b) Discuss the pathogenesis of emphysema.

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

(a) Explain the pathophysiology of hypertension.
(b) Write a detailed note on arteriosclerosis and myocardial infarction.

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

(a) Explain the process of menstruation.
(b) Discuss the structure and functions of testis.

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

(a) Explain the mechanisms of hormone regulation.
(b) Write short note on Grave's disease.

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

(a) Define cell injury. Explain the mechanism of reversible cell injury.
(b) Explain the pathophysiology of neoplasm.