

Printed Pages : 2



PHAR245

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 150411-A

Roll No.

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B. Pharm.

(SEM. IV) THEORY EXAMINATION, 2014-15
**ANATOMY, PHYSIOLOGY AND
PATHOPHYSIOLOGY - IV**

Time : 3 Hours]

[Total Marks : 80

- Note :** (i) Attempt **all** questions.
(ii) **All** questions carry equal marks.

1 Attempt any four of the following : 4×4=16

- Discuss briefly various respiratory volumes.
- Give pathophysiology of asthma.
- How the entire process of respiration is regulated ?
- Tabulate all the respiratory organs along with its functions.
- Discuss any communicable disease associated with respiratory system.

2 Attempt any four of the following : 4×4=16

- a) Draw a well labeled diagram of heart and explain the steps involved in pumping action of heart.
- b) Discuss the role of SA node in conducting system of heart.
- c) Discuss the diagnostic significance of ECG.
- d) Explain the pathophysiology of hypertension.
- e) Explain the pathophysiology of CHF.

3 Attempt any two of the following : 2×8=16

- a) Discuss the process of oogenesis in detail.
- b) Explain the pathophysiology of any two sexually transmitted disease.
- c) Write an exhaustive note of menstrual cycle.

4 Attempt any two of the following : 2×8=16

- a) Explain the anatomy and physiology of master gland of the body.
- b) Discuss the anatomy of pancreas and also explain briefly about the pathophysiology of diabetes mellitus.
- c) Discuss the formation, storage and release of hormones from thyroid gland.

5 Attempt any four of the following : 4×4=16

Give the pathophysiology of any four of the following joint disorders :

- i. Arthritis
- ii. Hypersensitivity
- iii. Cataract
- iv. Myasthenia gravis
- v. Tetany