



(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

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

- 2 Attempt any four of the following : 4×4=16**
- Draw a well labeled diagram of heart and explain the steps involved in pumping action of heart.
 - Discuss the role of SA node in conducting system of heart.
 - Discuss the diagnostic significance of ECG.
 - Explain the pathophysiology of hypertension.
 - Explain the pathophysiology of CHF.
- 3 Attempt any two of the following : 2×8=16**
- Discuss the process of oogenesis in detail.
 - Explain the pathophysiology of any two sexually transmitted disease.
 - Write an exhaustive note of menstrual cycle.
- 4 Attempt any two of the following : 2×8=16**
- Explain the anatomy and physiology of master gland of the body.
 - Discuss the anatomy of pancreas and also explain briefly about the pathophysiology of diabetes mellitus.
 - 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 :
- Arthritis
 - Hypersensitivity
 - Cataract
 - Myasthenia gravis
 - Tetany