

Code: 13R00305

R13

B.Pharm II Year I Semester (R13) Supplementary Examinations November 2017
ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Describe the significance of reflex action.
 - (b) Explain neurotransmitters of ANS.
 - (c) Discuss various parts of nephron.
 - (d) Write a note on gonads.
 - (e) Give relation between hypothalamus & pituitary gland.
 - (f) Write structural aspects of rods & cones.
 - (g) Differentiate hypertrophy and hyperplasia.
 - (h) Define oncogene. Give one example.
 - (i) Write etiology of secondary hypertension.
 - (j) Write etiology of asthma.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Write a note on the following:
- (a) Structure & importance of BBB.
 - (b) EEG (Electroencephalogram).

OR

- 3 Write a note on the following:
- (a) Structural aspects of spinal cord.
 - (b) Functions of sympathetic nervous system.

UNIT – II

- 4 Explain steps involved in urine formation.

OR

- 5 Illustrate with neat diagrams of spermatogenesis and Oogenesis.

UNIT – III

- 6 Describe the formation of thyroid hormones with a neat diagram.

OR

- 7 Explain structure and physiology of ear.

UNIT – IV

- 8 Describe steps involved in acute inflammation.

OR

- 9 Explain molecular basis of pathogenesis of cancer.

UNIT – V

- 10 Explain pathophysiology of rheumatoid arthritis.

OR

- 11 Explain steps involved in pathophysiology of atherosclerosis.
