

Code: 13R00305

B.Pharm II Year I Semester (R13) Supplementary Examinations November 2016

**ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write about the general functions of blood brain barrier.
  - (b) Discuss different neurotransmitters of ANS.
  - (c) Discuss the various parts of human urinary tract.
  - (d) Write notes on Oogenesis.
  - (e) Write the functions of Adrenal secretions.
  - (f) Write short notes on structure of tongue.
  - (g) Write short notes on inflammatory mediators.
  - (h) Discuss the process of Metastasis.
  - (i) Discuss the pathophysiology of psychosis.
  - (j) Write short notes on depression.

**PART – B**

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

**UNIT - I**

- 2 Describe in detail about the functions and different parts of spinal cord.
- OR**
- 3 Describe the mechanism of neurohumoral transmission in the nervous system.

**UNIT - II**

- 4 With the help of a neat diagram, describe the functions and parts of nephron.
- OR**
- 5 Describe the female reproductive system along with their hormones.

**UNIT - III**

- 6 Describe the anatomy of thyroid gland and add a note on thyroid hormones.

**OR**

- 7 Describe the sense of smell with help of neat diagram.

**UNIT - IV**

- 8 Describe the process of cellular injury, pathogenesis and repair.

**OR**

- 9 Describe in detail about the cancer.

**UNIT - V**

- 10 Describe the pathophysiology of STD and TB.

**OR**

- 11 Describe the pathophysiology of peptic ulcer and gout.

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