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**R09** Code: 9R01305

## B.Pharm II Year I Semester (R09) Supplementary Examinations November 2016 ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY

Time: 3 hours Max. Marks: 70

> Answer any FIVE questions All questions carry equal marks

- 1 (a) Describe various parts of brain with neat labeled diagram. Add a note on functions of brain.
  - (b) Explain the structure and functions of blood brain barrier (BBB).
- 2 (a) Describe the process of urine formation. Add a note on the role of kidney in maintaining acid balance.
  - (b) Write a short note on the urinary tract infection.
- 3 (a) Write about the physiology of menstruation. Add a note on the Oogenesis.
  - (b) Write a detailed note on female sex hormones.
- 4 (a) Describe the structure and physiology of eye.
  - (b) Write a short note on the functions of nose.
- (a) Write a detailed note on anterior pituitary hormones and their functions. 5
  - (b) Explain briefly about pancreatic hormones. terior
- (a) Describe about process of cell injury. 6
  - (b) Explain about hypertrophy.
- (a) What is cancer? Describe the pathogenesis of cancer.
  - (b) Write a short note on tumors.
- (a) Describe the pathophysiology of diabetes mellitus. 8
  - (b) Explain the pathogenesis of rheumatoid arthritis.