

**RGPVONLINE.COM****PY - 302****B.Pharmacy III Semester**

Examination, December 2015

**Anatomy, Physiology and Health Education - II***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.  
 ii) All parts of each questions are to be attempted at one place.  
 iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.  
 iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Write composition of saliva and bile.  
 b) Enlist the disorders of digestive system.  
 c) Elaborate the function of liver.  
 d) Explain structure of digestive system with diagram.

OR

Explain various GIT secretions and their role in process of digestion.

2. a) Write functions of cerebrum.  
 b) Draw the structure of neuron.  
 c) Enlist cranial nerves and describe their function.  
 d) Describe neurohumoral transmission in CNS.

OR

Explain the structure and function of spinal cord.

3. a) Define sensory and motor system.  
 b) What do you understand by autonomic reflex.  
 c) Write about Cholinergic neurons and receptors in ANS.  
 d) Give an overview of the structure and function of sympathetic nervous system.

OR

Discuss the anatomy of ear and physiology of hearing with the help of diagram.

4. a) What is the function of kidney?  
 b) Enlist renal diseases.  
 c) What is acid base balance?  
 d) Explain physiology of urine formation with diagram.

OR

Explain Renin-Angiotensin system.

5. a) What is diabetes mellitus?  
 b) What are endocrine glands and enlist endocrine secretion?  
 c) Write note on female reproductive hormones.  
 d) Describe the anatomy, physiology, secretion and disorder of pituitary glands.

OR

Describe spermatogenesis and oogenesis in details.

\*\*\*\*\*

**RGPVONLINE.COM**