

**F.Y.B.PHARM. SEMESTER-II (2011 COURSE) : WINTER -
2017**

SUBJECT : HUMAN ANATOMY & PHYSIOLOGY – II

Day : **Tuesday**
Date : **21/11/2017**

W-2017-3817

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of remaining questions attempt **ANY TWO** questions from each section.
 - 2) Answers to both the sections should be written in **SEPARATE** answer books.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION – I

- Q.1** Attempt **ANY FIVE** of the following (10)
- a) Classify the nervous system.
 - b) Draw neat well labeled diagram of eye
 - c) Define 2 disorders of urinary tract infections.
 - d) Functions medulla oblongata.
 - e) Write a note on thyroid gland.
 - f) Functions of endocrine system.
- Q.2** a) What is ANS ? Write difference between sympathetic and parasympathetic nervous system. (08)
- b) Explain the physiology of muscle contraction. (07)
- Q.3** a) Explain the role Renin Angiotensin and Aldosterone system to maintain homeostasis. (08)
- b) Explain the physiology of urine formation (07)
- Q.4** Write note on **ANY THREE** of the following (15)
- a) Structure of sperm
 - b) Mid brain
 - c) Anatomy and physiology of cerebellum
 - d) Spermatogenesis

SECTION- II

- Q.5** Attempt **ANY FIVE** of the following (10)
- a) Write a note on limbic system
 - b) Describe the different layers of skin
 - c) Write a note on female contraceptive devices
 - d) Functions of nervous system.
 - e) Functions of testosterone.
 - f) Draw the structure of ear.
- Q.6** a) Describe anatomy and physiology of spinal cord (08)
- b) Enlist the 12 pairs of cranial nerve, 5 pairs of spinal nerves. Write location and functions of cranial and spinal nerves (07)
- Q.7** a) Write formation, storage and release of thyroid hormones (08)
- b) Describe structure and function of kidney. (07)
- Q.8** Write note on **ANY THREE** of the following (15)
- a) Oogenesis
 - b) General components of reflex arc
 - c) Hormones secreted by female reproductive system
 - d) Diagnostic importance of Renal Clearance Test.

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