

**F.Y.B.PHARM. SEMESTER-II (CBCS - 2015 COURSE) :**

**SUMMER - 2018**

**SUBJECT: HUMAN ANATOMY & PHYSIOLOGY – II**

Day : **Monday**  
Date : **07/05/2018**

Time : **10.00 AM TO 01.00 PM**  
Max. Marks : 60

**S-2018-3914**

**N.B.:**

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the 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.

**SECTION – I**

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) What is urinary trigone?
  - b) Draw a neat labeled diagram of kidney.
  - c) Define tetany.
  - d) What is thermoregulation?
  - e) Define goiter.
  - f) Enlist the functions of gonadal hormones.
  - g) Define glaucoma.
- Q.2** Discuss in detail the physiology of urine formation. Add a note on factors regulating glomerular filtration rate. [10]
- Q.3**
- a) Explain in detail the anatomy of skin. [06]
  - b) Write a brief note on anatomy of ear. [04]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
- a) Oxytocin
  - b) Physiology of micturition
  - c) Physiology of vision

**SECTION – II**

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Classify neurotransmitters.
  - b) What are sensory and motors neurons?
  - c) Write the composition and functions of CSF?
  - d) Draw neat labeled diagram of T.S of testes.
  - e) What is the effect of exercise on body heat?
  - f) What is dysmenorrhea?
  - g) What are ventricles of brain?
- Q.6** Name the cranial nerves. Explain anatomy of spinal cord and comment on reflex arc. [10]
- Q.7**
- a) Explain the process of oogenesis in detail. [06]
  - b) Explain the effect of exercise on body fluids and salts. [04]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) Medulla oblongata
  - b) Menstrual cycle
  - c) Differentiate sympathetic and parasympathetic nervous system

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