

F.Y.B.PHARM. SEMESTER-II (2011 COURSE) : SUMMER - 2018
SUBJECT: HUMAN ANATOMY & PHYSIOLOGY – II

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

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

S-2018-3950

N.B.:

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of the remaining attempt any **TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Answer any **FIVE** of the following: **(10)**
- a) Enlist the functions of glucocorticoids.
 - b) Define diabetes mellitus. Differentiate its types.
 - c) Define achromatopsia.
 - d) Write a brief note on vertigo.
 - e) What is glomerulonephritis?
 - f) Define Otitis media.
- Q.2** a) Explain in detail the physiology of urine formation. **(08)**
- b) Explain in detail the steps involved in formation of thyroid hormones. **(07)**
- Q.3** a) Explain in detail the anatomy of skeletal muscle. Add a note on neuromuscular junction. **(08)**
- b) Explain in detail the physiology of vision. **(07)**
- Q.4** Write short notes on any **THREE** of the following: **(15)**
- a) Insulin
 - b) Structure of nephron
 - c) Physiology of hearing
 - d) Pituitary hormones

P. T. O.

SECTION-II

- Q.5** Answer any **FIVE** of the following: **(10)**
- a) Enlist the functions of medulla oblongata.
 - b) Classify nervous system.
 - c) What is CSF? Enlist its functions.
 - d) What are sensory neurons?
 - e) Enlist the drugs abused by athletes.
 - f) What happens to respiration during exercise? Explain the reasons for it.
- Q.6** a) Name the types of reflexes. Explain in detail conditioned reflexes. **(08)**
- b) Explain in detail the anatomy of cerebellum. **(07)**
- Q.7** a) Explain the changes that take place in ovaries and uterus during a menstrual cycle. **(08)**
- b) Explain the structure of integumentary system. **(07)**
- Q.8** Write short notes on any **THREE** of the following: **(15)**
- a) Hypothalamus
 - b) Sympathetic nervous system
 - c) Body fluids and salts in exercise
 - d) Anatomy of male reproductive system

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