

SUBJECT: HUMAN ANATOMY & PHYSIOLOGY-II

Day : Tuesday
Date : 27/11/2018

W-2018-4072

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 60

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 the **SEPARATE** answer books.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION – I

- Q.1** A) Answer **ANY FIVE** of the following: [10]
i) Define chronic renal failure.
ii) Define renal function tests.
iii) Enlist the structures in skeletal muscle
iv) Enlist the functions of pancreatic hormones.
v) Define Cretinism.
vi) Define hypermetropia.
vii) Draw a neat labeled diagram of ear.
- Q.2** Explain in detail the physiology of urine formation. Add a note on electrolyte balance. [10]
- Q.3** a) Explain in detail the physiological role of hormones of thyroid gland and its disorders. [06]
b) Write an account on physiology of skeletal muscle contraction. [04]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
a) Insulin
b) Anatomy of eye
c) Thermoregulation

SECTION – II

- Q.5** A) Answer **ANY FIVE** of the following: [10]
i) Write a note on structure and functions of testes.
ii) Write a note on ventricles of brain.
iii) Enlist male sex hormones and their physiological role.
iv) Classify nervous system.
v) Write a note on skeletal muscles in exercise.
vi) Draw a neat labelled diagram of sperm.
vii) Define spermatogenesis.
- Q.6** Explain the anatomy of Female Reproductive system. Explain in detail phases of Female Reproductive cycle. [10]
- Q.7** a) Discuss the structure and functions of medulla oblongata. [06]
b) Give an account of physiological role of parasympathetic nervous system. [04]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
a) Synapses and neurotransmitters
b) Respiration in exercise
c) Meninges and CSF