

F.Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2019

SUBJECT : ANATOMY AND PHYSIOLOGY

Day : Wednesday

Date : 17/04/2019

S-2019-4323

Time : 10.00 A.M. TO 01.00 P.M.

Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Both the sections should be written in **SEPARATE** answer books.

SECTION - I

Q.1 Write short answers on **ANY FIVE** of the following: **(5x2=10)**

- 1) Functions of Skin.
- 2) Give names and locations of five arteries where pulses can be palpated.
- 3) Parts of Nephron.
- 4) Draw neat diagram of female reproductive system.
- 5) Thymus gland.
- 6) Types of tissues.
- 7) Pituitary gland.

Q.2 Write short notes on **ANY FOUR** of the following: **(4x4=16)**

- 1) Explain popliteal fossa.
- 2) Structure of ear.
- 3) Left lung.
- 4) Midbrain.
- 5) Muscles of mastication.
- 6) Urinary bladder.

Q.3 Write the long answer on **ANY ONE** of the following:

Describe heart under following headings

- 1) Structure of heart **(04)**
- 2) Conduction system of heart **(03)**
- 3) Blood supply of heart **(03)**
- 4) Applied anatomy **(02)**

OR

Describe shoulder joint under following headings

- 1) Type and articular surfaces **(03)**
- 2) Ligaments **(03)**
- 3) Movements and muscles producing movements **(03)**
- 4) Applied anatomy **(03)**

SECTION - II

Q.4 Write short answers on **ANY FIVE** of the following: **(5x2=10)**

- 1) Types of immune response
- 2) Composition of CSF
- 3) Phases of cardiac cycle
- 4) Functions of bile
- 5) Types of reflexes
- 6) Mitochondria
- 7) Types of tissues

P.T.O.

Q.5 Write short notes on **ANY FOUR** of the following: **(4x4=16)**

- 1) Regulation of blood pressure
- 2) Spermatogenesis
- 3) Composition and functions of saliva
- 4) Physiology of hearing
- 5) ABO blood group system
- 6) Electrocardiogram

Q.6 Write the long answer on **ANY ONE** of the following:

- 1) Describe functions of Kidney **(05)**
- 2) Explain mechanism of urine formation **(06)**

OR

- 1) Describe menstrual cycle with the help of labelled diagram. Explain different phases of menstrual cycle in detail. **(11)**

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