

F.Y.B.Sc. (NURSING) ( 2007/2019 COURSE) : WINTER - 2021

SUBJECT : ANATOMY AND PHYSIOLOGY

Day : Wednesday

Time : 10:00 A.M. TO 1:00 P.M.

Date : 20/10/2021

W-2021 - 22421

Max. Marks : 75

**N.B.**

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

**SECTION – I**

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

- a) Functions of saliva
- b) Cell structure
- c) Types of tissue
- d) Lobes of cerebrum
- e) Pituitary gland
- f) Lymph Nodes
- g) Structure of Kidney

**Q.2** Write short answers on **ANY FOUR** of the following : **(16)**

- a) Cranial nerves
- b) Right lung
- c) Urinary Bladder
- d) Structure of Breast
- e) Voluntary muscles of body
- f) Describe Liver in detail.

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

- a) Enumerate the parts of male reproductive system. Write the structure of prostate gland. Describe in detail about Testis. **(12)**

**OR**

- a) Classify joints. Explain synovial joint. Differentiate Tendon and ligament/ **(12)**

**SECTION – II**

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

- a) Functions of lungs.
- b) Functions of teeth
- c) Malpighian body
- d) Ear ossicles,
- e) Hyoid Bone.
- f) Functions of skin
- g) Innate immunity

**Q.5** Write short answers on **ANY FOUR** of the following : **(16)**

- a) Functions of multipolar neuron .
- b) Explain oogenesis.
- c) Explain Femur bone.
- d) Physiology of vision
- e) Explain double circulation.
- f) Blood Brain Barrier

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

- a) i) Define Excretion. Draw a neat labeled diagram of Human Excretory System. **(06)**  
ii) Explain Urine formation in detail. **(05)**

**OR**

- a) i) Define Respiration. Describe regulation of Respiration. **(06)**  
ii) Differentiate between Inspiration and Expiration. **(05)**

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