

B.Sc.(N) [1st Year]
 BF/2018/08
Anatomy & Physiology
 [New Scheme w.e.f. 2006]

Time : 3 Hours

Max Marks : 75

- Note: 1.) *Attempt all questions.*
 2.) **USE SEPARATE ANSWER BOOK FOR EACH PART.**
 3.) **The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.**

SECTION-A

[37 Marks]

QP Code: BNN101

[ANATOMY]

1. (i) (a) Classify the Tissue. [2]
 (b) Discuss about the connective tissues. [4]
 (c) Discuss structure of Muscular Tissue. [4]
- OR**
- (ii) (a) Draw a labeled diagram of Section of Human Eye. [2]
 (b) Describe cavities and its contents. [4]
 (c) Enlist classification of Joints. Describe any one type of joint in detail. [4]
2. (a) Differentiate between structure of Arteries and Veins. [2]
 (b) Describe the structure of Lungs. [4]
 (c) Discuss about the structure of a Kidney. [4]
3. **Describe in brief any TWO of the following :** [2½x2=5]
 (a) Structure of Neuron.
 (b) Fallopian Tubes.
 (c) Structure of Stomach.
4. **Write Short Notes on any FOUR of the following :** [3x4=12]
 (a) Gall Bladder. (b) Ovaries.
 (c) Liver. (d) Describe counting of bones of human body.
 (e) Lymph Nodes. (f) Testes.

SECTION-B

[38 Marks]

QP Code: BNN102

[PHYSIOLOGY]

1. (i) (a) Classify the Membranes. [2]
 (b) Discuss functions of various Membranes. [4]
 (c) Describe transport of substances across cells. [4]
- OR**
- (ii) (a) Name the organs of Nervous System. [2]
 (b) Describe the functions of Cerebral Spinal Fluid. [4]
 (c) Discuss types of Nerves. [4]
2. (a) Describe functions of Blood. [2]
 (b) Discuss conducting system of Heart. [4]
 (c) Describe Functions of Heart. [4]
3. **Describe in brief any TWO of the following :** [3x2=6]
 (a) Write the functions of Trachea.
 (b) Discuss exchange of Gases.
 (c) Describe control of Respiration.
4. **Write Short Notes on any FOUR of the following :** [3x4=12]
 (a) Joints and its movements.
 (b) Physiology of Muscle Contraction.
 (c) Functions of Pancreas.
 (d) Fluid and Electrolyte Balance.
 (e) Functions of Thyroid Gland.
 (f) Immunity.