

B.Sc.(N) [1st Year]
BF/2019/08
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 Q.P. Code in the space provided on the title Page of the respective Answer Book.

SECTION-A
[ANATOMY]

[37 Marks]

Q.P Code: BNN101

1. (i) (a) Draw a labelled diagram of the Loose (Areolar) Connective Tissue. [2]
 (b) Discuss the types and structure of the Bones. [4]
 (c) Describe the structure of the Meninges. [4]
- OR**
- (ii) (a) Draw a labelled diagram of the section of the Eye. [2]
 (b) Discuss the structure of the Heart. [4]
 (c) Describe the structure of the Spleen with diagram. [4]
2. (a) Draw a labelled diagram of the longitudinal section of the Stomach [2]
 (b) Discuss the structure of the Larynx. [4]
 (c) Describe the structure of the Liver. [4]
3. **Describe in brief any TWO of the following:** [2½ x 2 = 5]
 (a) The structure of the Kidneys
 (b) The structure of the Thyroid Gland
 (c) The structure of the Ovaries
4. **Write Short Notes on any FOUR of the following:** [3x4=12]
 (a) Muscle Tissue (b) Paired Directional Terms used in Anatomy
 (c) Blood Groups (d) Portal Circulation
 (e) Pancreas (f) Gross Structure of the Lung

SECTION-B
[PHYSIOLOGY]

[38 Marks]

Q.P Code: BNN102

1. (i) (a) Write the functions of Membranes. [2]
 (b) Discuss the development of the Bone Tissue. [4]
 (c) Describe the functions of the Vertebral Column [4]
- OR**
- (ii) (a) Explain physiology of Hearing. [2]
 (b) Discuss the conducting system of the Heart. [4]
 (c) List the types of Nerves and describe the functions of Nerves. [4]
2. (a) Describe the functions of Pharynx [2]
 (b) Discuss the functions of Stomach. [4]
 (c) Explain the functions of the Anterior Pituitary Gland [4]
3. Describe in brief any **TWO** of the following: [3x2=6]
 (a) Functions of the Uterus
 (b) The Blood Clotting
 (c) Functions of the Lymph Nodes
4. Write Short Notes on any **FOUR** of the following: [3x4=12]
 (a) Nucleus
 (b) Functions of the Bone
 (c) Spinal Cord
 (d) Exchange of Gases in Tissues
 (e) Metabolism of Carbohydrates
 (f) The Testes