

B.Sc.(N) [1st Year]

BF/2022/05

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) Draw a labelled diagram of the Human Ear Structures. [2]
 (b) Briefly explain the classification of Primary tissues. [4]
 (c) Describe the structure of Lungs. [4]

OR

- (ii) (a) Draw a labeled diagram of Tongue. [2]
 (b) Briefly explain the structure of Heart. [4]
 (c) Write differences between Large and Small Intestine. [4]

2. Explain the followings :
 (a) Phases of Menstrual cycle [4]
 (b) Functions of Master glands [4]
 (c) Types of Joints [2]

3. Describe in brief any **TWO** of the following : [2½x2=5]
 (a) Functions of RBC
 (b) Functions of Spinal cord
 (c) Hormones produced by ovary

4. Write Short Notes on any **FOUR** of the following : [3x4=12]
 (a) Hyoid bone (b) Histology
 (c) WBC (d) Ear ossicles
 (e) ECG (f) Power generating unit of the cell

SECTION-B

[38 Marks]

QP Code: BNN102 [PHYSIOLOGY]

1. (i) (a) List out the accessory organs of digestion [2]
 (b) Briefly explain the physiology of Taste. [4]
 (c) Briefly explain the structure of Stomach. [4]

OR

- (ii) (a) Draw a labeled diagram of Liver. [2]
 (b) Briefly explain digestion and absorption of Protein. [4]
 (c) Write differences between Mitosis and Meiosis. [4]

2. Explain the followings :
 (a) Hearing [2]
 (b) Physiology of respiration [4]
 (c) Thyroid gland [4]

3. Describe in brief any **TWO** of the following : [3x2=6]
 (a) Pulse Pressure
 (b) The arteries carrying deoxygenated blood
 (c) Pituitary gland

4. Write Short Notes on any **FOUR** of the following : [3x4=12]
 (a) Tricuspid valve (b) The Cells that form the kidney's filtering units
 (c) Neurotransmitters (d) The longest and strongest bone of the body
 (e) List out muscles of mastication (f) Write expanded form of RNA