

PARUL UNIVERSITY
FACULTY OF NURSING

B.Sc. Nursing (Basic), Examination February - 2018

Year: 1**Date: 05/02/2018****Subject Code: 09101101****Time: 10:00am to 1:00pm****Subject Name: Anatomy and Physiology****Total Marks: 75****Instructions:**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Draw diagrams wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION - A (37 MARKS)

Q.1 Long Essays. (Any one out of two) (1x 10) (10)

1. Draw a neat labelled diagram of Heart. Describe position, shape, size layers and valves of heart.
2. Draw and label various parts of the Digestive system. Explain the anatomy of Stomach.

Q.2 Short Essays. (Any three out of six) (3 x 5) (15)

1. Anatomy of Human Eye
2. Classification of Tissues
3. Anatomy of Skull
4. Structure of Neurons
5. Lymphatic Tissues
6. Types of structure of Muscles

Q.3 Short Answers. (12)

1. Movement of Joints
2. Content of cell
3. List out total vertebrae
4. Tympanic membrane
5. Example for Sesamoid Bone
6. Name of any four bones of Pelvic girdle

SECTION - B (38 MARKS)

Q.1 Long Essays. (Any one out of two) (1x 10) (10)

1. Explain the functions of Kidney & Formation of urine. Discuss the Maintenance of acid-base balance and Regulation of electrolyte balance.
2. List out the organs of female and male reproductive system. Explain the menstrual cycle.

Q.2 Short Essays. (Any four out of seven) (4 x 5) (20)

1. Chemical Control of Respiration
2. Cranial nerves and its functions
3. Functions of brain
4. Exchange of gases in tissues
5. Formation of T-cells & B-cells
6. Functions of hormones secreted by pituitary gland
7. Mechanism of urine formation

Q.3 Short Answers. (4 x 2) (08)

1. Hypoxia
2. Rickets
3. Glomerular Filtration rate
4. WBC