

ABVMUUP
B.Sc. Nursing (1st Year) (S) 2022
Subject: Anatomy and Physiology

Time: 3 hours

PAPER 1

Total marks: 75

General instructions:

- All questions are compulsory
- The number to the right indicates full marks
- Draw diagram whenever necessary
- Use SEPARATE ANSWER COPY for A and B Sections.

Anatomy: Section A (37 Marks)

Paper 1 Part 1

222110010

Q. 1. Long Answer Questions:

5 + 6 = 11 marks

- a) Draw diagram of types of joints and label it
- b) Explain Bone formation and growth

Q. 2. Long Answer Questions:

5 + 6 = 11 marks

- a) Explain structure of neuron with diagram
- b) Explain structure of brain and spinal cord

Q.3. Short Answer Questions:

3 x 3 = 9 marks

- a) Types of tissues
- b) Types of muscles
- c) Structure of lungs

Q.4. Draw labelled diagram of outer surface of:

2 x 3 = 6 marks

- a) Stomach
- b) Kidney
- c) Heart

Physiology: Section B (38 Marks)

Paper 1 Part 2

2221200101

Q. 1. Long Answer Questions:

6 + 6 = 12 marks

- a) Explain cardiac cycle
- b) Explain factors influencing BP and Pulse

Q. 2. Long Answer Questions:

6 + 5 = 11marks

- a) Explain digestion in stomach
- b) Explain metabolism of carbohydrate

Q.3. Short Answer Questions:

3 x 5 = 15 marks

- a) Functions of bone
- b) Reflex arc
- c) Pulmonary ventilation
- d) Mechanism of urine formation
- e) Functions of Ovary