

Madhya Pradesh Medical Science University, Jabalpur **BSc. Nursing First Year Main Examination March 2019**

Paper Code:- 19AN0000101601

Subject:- Anatomy & Physiology

Time: 3 Hours

Maximum Marks: 75

- 1) *All questions are compulsory*
- 2) *Draw diagrams wherever necessary*
- 3) *Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued*
- 4) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
- 5) *Student can answer the question in both Hindi and English Language.*

Section A - Anatomy

Mark:37

- Q.1. Describe structure of -
- a. Respiratory System (5)
 - b. Heart (5)
- Q.2. a. Name the sense organs (2)
- b. Describe the structure of eyeball (8)
- Q.3. Draw labeled diagram (any two) (2x4=8)
- a. Nephron
 - b. Femur bone
 - c. Liver
- Q.4. Write Short Notes (any three) (3x3=9)
- a. Blood
 - b. Muscles
 - c. Uterus
 - d. Hormones

Section B- Physiology

Marks: 38

2x5=10

- Q.1. Write short notes (any Two)
- a. Composition, Circulation and functions of cerebrospinal fluid
 - b. Metabolism of Carbohydrate
 - c. Blood Groups
- Q.2. a. Draw a well labelled diagram of conduction system of heart (5)
- b. Explain the cardiac cycle (5)
- Q.3. a. Explain the Physiology of muscle contraction (5)
- b. Illustrate the process of oogenesis. (5)
- Q.4. Write Function of following. (Any 4) (2x4=8)
- a. Skin
 - b. Pituitary Gland
 - c. Kidney
 - d. Gall Bladder
 - e. Brain