

Q -4 Very Short type Question:- [ 3 x 1 = 3]

- a. Mineralocorticoids regulate the concentration of \_\_\_\_\_ and \_\_\_\_\_ ions in the blood.
- b. Difficulty in breathing is called \_\_\_\_\_.
- c. Main muscles of Inspiration \_\_\_\_\_.

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## SCHOOL OF NURSING

### 1<sup>ST</sup> INTERNAL EXAMINATION

COURSE- B. Sc. NURSING (1<sup>ST</sup> SEMESTER)      TIME – 2 HOURS

SUBJECT –APPLIED ANATOMY & APPLIED PHYSIOLOGY

TOTAL MARKS -50

#### Instructions to the Candidates:

- Read the question paper very carefully.
- Start writing from 2nd page onwards; **don't write on the 1st Page Backside.**
- Do not write anything except your Roll No. on the question paper.
- Possession of **Mobile Phones** or any kind of **Written Material, Arguments with the Invigilator or Discussing with Co-Student** will come under **Unfair Means** and will **Result** in the **Cancellation of the Papers.**

#### **SECTION – A (Applied Anatomy)**

Q-1. Multiple Choice Question: - [4 x 1/2=2]

1. The cells in the sense organ that receive sensory information are called \_\_\_\_\_.
  - a. Stimulus
  - b. acceptor
  - c. lacrimal cells
  - d. Receptor cells
2. Which of the following is the outer most layer of the eyes.
  - a. Choroid layer
  - b. Retina
  - c. Sclerotic layer
  - d. Mucus
3. Medial Rotation of the forearm with palm facing backwards is
  - a. Adduction
  - b. Abduction
  - c. Supination
  - d. Pronation

4. The lowermost cartilage of larynx is
- a. Thyroid Cartilage
  - b. Cricoid cartilage
  - c. Arytenoid Cartilage
  - d. Corniculate cartilage

Q-2 Long Question:- [2 x 7 = 14]

- a. Discuss the structure and secreted hormones of the pituitary gland.

Or

- b. Write anatomy of skin with its types.
- c. Explain commonly used anatomical terms and list out the various anatomical planes?

Or

- d. Explain the anatomical components of respiratory system and add a note on its applied anatomy?

Q-3 Short type Question:- [3 x 2 = 6] (Any 2)

- a. Thyroid and parathyroid Gland.
- b. Position and Gross structure of Lungs
- c. Types of Cartilages found in the larynx in details.

Q-4 Very Short type Question:- [3 x 1 = 3]

- a. Tiny bones called \_\_\_\_\_ transmit vibrations to the inner ear.
- b. The lower most cartilage of Larynx is \_\_\_\_\_.
- c. The gaseous exchange takes place in \_\_\_\_\_.

### **SECTION – B (Applied Physiology)**

Q-1. Multiple Choice Question: - [4 x 1/2=2]

1. Otoconia Area-
- a. Ear Stones
  - b. Nerve fibres
  - b. Sensory Hair
  - d. None

2. All the following hormones are produced by the anterior 2lobe of the pituitary gland except:

- a. HGH
- b. Prolactin
- c. TSH
- d. Insulin

3. PO<sub>2</sub> of arterial Blood is

- a. 95
- b. 104
- c. 40
- d. 40-100

4. A factors affecting diffusion of gases is

- a. Surface area
- b. Pressure gradient
- c. Thickness of the respiratory membrane
- d. All of the above

Q-2 Long Question:- [2 x 7 = 14]

- a. Describe the physiology of Vision.

or

- b. Write down about the pituitary Gland and describe about the anterior pituitary Gland with its Hormones.
- c. Describe the Different lung volumes and capacities

or

- d. Describe the transport of O<sub>2</sub> and CO<sub>2</sub>?

Q-3 Short type Question: - [3 x 2 = 6] (Any 2)

- a. Details on FSH and oestrogens Hormone.
- b. Function of Pineal Gland.
- c. Types of Hypoxia