



SCHOOL OF NURSING

1ST INTERNAL EXAMINATION

COURSE- B. Sc. NURSING (1ST 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. PO₂ 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 O₂ and CO₂?

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

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 _____.
