



SCHOOL OF NURSING

1st SESSIONAL EXAMINATION

COURSE- B.SC. NURSING 1st SEMESTER

SUBJECT- APPLIED ANATOMY & APPLIED PHYSIOLOGY

TIME – 2 Hours

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.**
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ALL THE QUESTIONS ARE TO BE ANSWERED MANDATORY

APPLIED ANATOMY

SECTION A

I . Multiple Choice Questions :-

(5x1 = 5)

1) Tissue is the

- a. Group of organ
- b. Group of cells
- c. Group of tissue
- d. Group of organism

2) What does oxygen bind to the blood cell?

- a) Antigen
- b) Antibody
- c) Hemoglobin
- d) Nucleus

3) Laboured breathing from lying down is:

- a) Apnea
- b) Hyperpnea
- c) Tachypnea
- d) Orthopnea

4) The cells in the sense organ that receive sensory information are called:

- a) Stimulus
- b) Acceptor
- c) Lacrimal cell
- d) Receptor cell

5) OTOCONIA

- a) Ear stone
- b) Nerve fiber
- c) Sensory hair
- d) None of these

II. Write short notes on :-

(4 x 5 = 20)

- a) Enlist abdominal region with two organs of each region?
- b) Draw the structure of heart and label it. List down the layers of heart wall.
- c) Why are the right and left lungs slightly different in shape?
- d) Write short notes on Respiratory organs with diagram.

APPLIED PHYSIOLOGY

SECTION B

I. Multiple Choice Questions : -

(5 x 1 = 5)

- 1) What is the term for the amount of air remaining in the lungs after a forced expiration?
 - a) Tidal volume.
 - b) Residual volume
 - c) Inspiratory reserve volume
 - d) Expiratory reserve volume

2) Which of the following is the smallest blood vessel where gas exchange occurs between the blood and tissues?

- a) Artery
- b) Vein
- c) Capillary
- d) Venule

3) Which of the following is the outermost layer of the eye

- a) Choroid layer b) Retina
- c) Sclerotic layer d) Mucus

4) An organ which is the outer most important articulator of speech is

- a) Eyes b) Nose
- c) Tongue d) Face

5) Visual purple is found in -

- a) Cornea b) Rods
- c) Cones d) Retina

II. Short Essay type : - (Answer any 2)

(2 x 5=10)

- a) Explain about Exchanges of Gases?
- b) Explain about Conduction system of heart.
- c) Discuss the physiology of skin?

III. Long Essay type :-

(1x10=10)

A. Explain about Cardiac Cycle with label diagram.