

Q- 7.Short type Questions: - [3 * 5 = 15 Marks] (Any THREE)

1. Describe blood clotting mechanism in details?
2. Describe Micturition with diagram?
3. Write about Cardiac cycle?
4. Explain the types of Hypoxia?

Q-8 very short questions-[3*2=6 Marks] (Any TWO)

1. Functions of male reproductive organ
2. What is CSF, write the formation and transportation of CSF
3. What are the sounds produced by heart and how they are produced



SCHOOL OF NURSING

PRE UNIVERSITY EXAMINATION – JUNE 2023

COURSE- B. Sc. NURSING (1st SEMESTER) TIME – 3 HOURS

SUBJECT –APPLIED ANATOMY & APPLIED PHYSIOLOGY

TOTAL MARKS - 75

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)

[37 marks]

Q-1. Multiple Choice Question: - [6*1=6 marks]

1. The female gametes in human is called
a. Sperm b. Ova c. Embryo d. Zygote
2. Which is the longest segment of the digestive system of the human body?
a. Pancreatic duct b. Small intestine c. Large Intestine d. Oesophagus
3. Which of the following portion of the stomach opens into the small intestine

a. Cardiac Portion b. Fundic Portion c. Pyloric Portion d. Body portion

4. Which Blood vessels leave the heart and transport blood to the lungs

a. Venacava b. Aorta c. Pulmonary arteries d. Pulmonary Veins

5. The semilunar valves prevent blood from flowing backwards:

a. into the atria b. into the ventricles c. into the brain d. into the liver.

6. Which of the following is one of the part of hind brain-

a) Hypothalamus b) cerebellum c) corpus callosum d) spinal cord

Q-2. Essay type Question: - [1*10 = 10 Marks] (Any ONE)

1. Explain briefly about the structure of the Heart? Describe pulmonary circulation?(7+3)
2. Draw the labelled diagram of Digestive System? What are the three pairs of major salivary gland and its location? (6+4)

Q- 3.Short type Questions: - [3 * 5 = 15 Marks] (Any THREE)

- a. Describe about internal female reproductive organ.
- b. Explain about the spinal cord along with its pathway
- c. Position and Gross structure of Lungs.
- d. List 5 factors that influence blood pressure.

Q-4. Very short questions-[3*2=6 Marks] (Any TWO)

- a. Difference between fertilization an implantation
- b. Cartilages found in Larynx
- c. List down the chambers and the valve of the heart and its location.

SECTION – B (APPLIED PHYSIOLOGY)

[38 marks]

Q-5. Multiple Choice Question: - [7*1=7 marks]

1. Normal blood volume

a) 4.5-6.6 litre b) 4.5- 5.5 litre c) 5.5-7 litre d) 7-8 litre

2. Which hormone is decreased in the menstrual cycle causing menstruation?

a) Progesterone b) Prolactin c) Oestrogen d) oxytocin

3. Which of the following performs the function of luteinizing hormone?

- a) It stimulates the interstitial (leydig) cell to produce testosterone
- b) It encourages the production of sperm by sustentacular (Sertoli) cells.
- c) It stimulates the anterior pituitary to release FSH.
- d) None of these

4. GFR in a healthy individual is approximately –

a) 230 ml/m b) 222 ml/m c) 125ml/m d).100 ml /m

5. PO₂ of arterial Blood is

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

6. Digestion of carbohydrates starts in the

a. Large Intestine b. Small Intestine c. Buccal Cavity d. Stomach

7. In which form glucose is present in the body:

a. Fat b. Glycogen c. Insulin d. Amino Acids

Q-6 Essay type Question: - [1*10 = 10 Marks] (Any ONE)

1. Explain about oogenesis and spermatogenesis's
2. Describe nerve impulse. Write the pathway of nerve impulse?