

**June-23-8-8900**  
**B.Sc Nursing Semester- I (New Course) Examination**  
**June-2023**  
**Applied Anatomy & Applied Physiology**

**Total Marks : 75**

**Time : 3 Hours**

Instruction:

1. All the questions are compulsory to attend.
2. Write each section in separate answer sheet.
3. Right side of number indicates marks for questions.
4. Draw the figure where ever required.

**Section : I (37 Marks)**

Que. 1	Multiple choice question answer.(1*6 = 6)	06
	<ol style="list-style-type: none"><li>1. Small intestine is divided into..... A. 1                      B. 2                      C. 3                      D. 4</li><li>2. Which is the smallest bone of the human body? A. Malleus              B. Meus                  C. Stapes              D. None</li><li>3. Third Cranial nerve name is..... A. Oculomotor      B. Olfactory            C. Optic                  D. Vagus</li><li>4. Which cavity is present in long bone. A. Medullary cavity                      B. Pleural cavity C. Synovial cavity                          D. Sesamoid cavity</li><li>5. Which is the part of CNS. A. Cerebrum                                  B. hypothalamus C. spinal cord                                  D. all of the above</li><li>6. Which is component not the part of lymphatic system. A. Lymph    B. Thymus C. Bone marrow                                  D. Rbc</li></ol>	
Que. 2	Long Answer questions. (3+5+2 =10)	10
	<ol style="list-style-type: none"><li>1. Draw the diagram of heart.</li><li>2. Explain the structure of heart.</li><li>3. Blood supply of heart.</li></ol>	03 05 02
Que. 3	Short notes: (Any Three) (5*3 =15 Marks)	15
	<ol style="list-style-type: none"><li>1. Anatomy of Nephron</li><li>2. Structure of ear.</li><li>3. Anatomy of skin</li><li>4. Structure of cerebrum</li><li>5. Large intestine</li></ol>	
Que. 4	Very short Answer. (2 Marks * 3 = 6 Marks)	06
	<ol style="list-style-type: none"><li>1. Synovial Join</li><li>2. Ovary</li><li>3. Pancreas</li></ol>	

**Section : II (38 Marks)**

- Que. 5 Multiple choice question answer.(1\*7 = 7) 07
- Which is the powerhouse of the cell.  
A. Golgi B. Endoplasmic C. Nucleus D. Mitochondria
  - What is the normal haemoglobin level in male?  
A. 7-10 gm/dl B. 2-4 gm/dl  
C. 18-20 gm/dl D. 13-16 gm/dl
  - Which of the following is the largest gland in human body?  
A. Thymus B. Kidney C. Liver D. Pancreas
  - The lifespan of RBC.  
A. 100 days B. 110 days  
C. 120 days D. 130 days
  - Normal PH of blood.  
A. 2.2 B. 5.2  
C. 7.4 D. 10.4
  - CSF full form  
A. Cerebral fluid B. Connection supportive fluid  
C. Cerebrospinal fluid D. Common spinal fluid
  - The vitamin essential for blood clotting is...  
A. Vitamin A B. Vitamin B  
C. Vitamin K D. Vitamin C
- Que. 6 Essay type questions (2+5+3 = 10 Marks) 10
- Define Erythropoiesis 02
  - Stages of Erythropoiesis. 05
  - Essential factor of Erythropoiesis. 03
- Que. 3 Short notes: (Any Three) (5\*3 =15 Marks) 15
- Urine formation
  - Cardiac cycle
  - Menstruation cycle
  - Conducting system of heart
  - Classification of blood cells
- Que. 4 Very short Answer. (2 Marks \* 3 = 6 Marks) 06
- Function of pituitary gland
  - Function of hypothalamus
  - Composition of gastric juice.
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