

**KALYAN COLLEGE OF NURSING, RAJURA**  
**CLASS TEST II**  
**FIRST YEAR BASIC B.SC. NURSING**  
**APPLIED ANATOMY AND APPLIED PHYSIOLOGY**

Date :

Marks : 75

Total Duration : 3 hrs

**SECTION - A**  
**APPLIED ANATOMY**

**Q. 1) MCQ**

**( 06 x 01 = 6 )**

- A. Lungs are enclosed within  
a) Perichondrium    b) Periosteum    c) Pleural membrane    d) Pericardium
- B. Which of the following joints is immovable?  
a) Fibrous joint    b) Synovial joint    c) Cartilaginous joints    d) Ball and Socket joint
- C. The balancing organ of the ear is  
a) Organ of corti    b) Vestibular apparatus    c) Tectorial membrane    d) Cochlea
- D. Which of the following is a part of the hindbrain ?  
a) Hypothalamus    b) Cerebellum    c) Spinal cord    d) Corpus callosum
- E. How many pairs of the spinal nerve are found in human ?  
a) 33    b) 31    c) 13    d) 12
- F. A deltoid ridge is found in  
a) Ulna    b) Radius    c) Femur    d) Humerus

**Q. 2) Essay**

**(Any one)**

**(01 x 10= 10)**

1. Classify the Nervous system and write in detail about the functional areas of Cerebrum.
2. Enumerate the parts of female reproductive system. Describe in detail about the supporters of uterus.

**Q. 3) Short Notes**

**(Any three)**

**(03 x 05= 15)**

1. Classification of bones with examples.
2. Anterior and posterior relations of both the Kidneys.
3. Pharynx.
4. Name the cranial nerves in order.

**Q. 4) Very Short Notes (Any three)**

**(03 x 02= 06)**

1. Name the arteries supplying the stomach.
2. Draw a neat labelled diagram of the section of eye ball.
3. Name the layers of skin.
4. Mention the neuroglial cells.
5. Give two examples for ball and socket joint.

**SECTION - B**  
**APPLIED PHYSIOLOGY**

**Q. 1) MCQ**

( 07 x 01 = 07 )

A. Name the site where digestion of proteins occurs.

- a) Pancreas      b) Rectum      c) Liver      d) Ileum

B. The maximum amount of carbon dioxide in the human body is transported as:

- a) Bicarbonate      b) Carbide      c) Amylase      d) None of the above

C. The lungs are protected by:

- a) Sternum      b) Rib cage      c) Backbone      d) All of the above

D. Volume of C.S.F. is about

- a) 50 ml      b) 100 ml      c) 150 ml      d) 200 ml

E. Pain sensitive part in CNS is

- a) Duramater      b) Piamater      c) Brain      d) Pial vessels

F. The primary function of the cerebrospinal fluid is to:

- a) Protect the brain      b) Provide nutrients to the surrounding tissues  
c) Remove waste products      d) All of the above

G. Humans have \_\_\_\_\_ lobes in the left lung.

- a) 3      b) 2      c) 4      d) 1

**Q. 2) Essay**

**(Any one)**

( 1 x 10 = 10 )

1. Write in detail the regulation of Respiration. Define Tidal volume and vital capacity.
2. Describe in detail with a help of diagram the mechanism of skeletal muscle contraction.

**Q. 3) Short Notes**

**(Any three)**

( 03 x 05 = 15 )

1. Functions of Saliva
2. Transport of Carbon dioxide
3. Refractive errors of eye
4. Menstrual cycle

**Q. 4) Very Short Notes (Any three)**

( (03x 02= 06) )

1. Mention two functions of Hydrochloric acid.
2. Two functions of Liver.
3. Any two non-excretory functions of kidney.
4. Cretinism.
5. CSF and its functions