

May-24-05-7001
B.SC Nursing Sem.-I Examination
May -2024
Applied Anatomy and Applied Physiology

Total Marks : 75

Time : 2½ hr

Instructions:

1. The number to the right indicates full marks.
2. Draw diagram wherever necessary.
3. Answer each section in the respective answer sheet only.
4. Answer written in the inappropriate sectional answer book will not be assessed in any case.

Section : I (37 Marks)

Que. 1 Multiple choice question. (6 x 1 = 6)

06

1. Selective reabsorption takes place in
 A. Proximal Convolted tubule B. Distal convoluted tubule
C. renal artery D. renal vein
2. RAAS stands for.....
A. Renin Albumin Aldosterone System
 B. Renin Angiotensin Aldosterone system
C. Regulatory Albumin Aldosterone System
D. Regulatory Angiotensin Aldosterone System
3. _____ is known as powerhouse of the cell.
 A. Mitochondria B. Nucleus C. Ribosome D. Lysosome
4. Mitosis cell division takes place in all cell except:
 A. Sex cells B. Cells of stomach
C. Cells of Skin D. Cells of Lungs
5. Each Hemoglobin contain _____ number of harem units.
 A. Two B. Four C. Six D. Eight
6. _____ has secondary pacemaker function of the heart.
 A. Av node B. SA node C. Punkinje fibers D. Av bundle

Que. 2 1. Draw a labelled diagram of brain and explain cerebrum in detail.

10

Que. 3 Write short note on (Any Three) (3 x 5 = 15)

15

1. Anatomy of Lungs. ✓
2. Anatomy of Heart. ✓
3. Radius and Ulna bone
4. Cell ✓

Que. 4 Short Answer. (Any Three) (3 x 2 = 6)

06

1. Enlist Cranial Nerves. ✓
2. Types of epithelial tissue ✓
3. components of blood. ✓
4. Classification of nervous system. ✓

Blood : body fluid

Section : II (38 Marks)

Que. 4. Multiple choice questions. (1 x 7 = 7)

07

1. Following are the functions of spleen except:
A. phagocytosis B. storage of blood
C. immune response D. digestion
2. The amount of air passing into and out of the lungs during each cycle of breathing is known as....
 A. Tidal Volume B. Inspiratory reserve volume
C. Functional Residual capacity D. Expiratory reserve volume
3. exchange of gases between and alveoli and the blood is known as....
 A. External respiration B. Internal respiratory
C. inhalation D. exhalation
4. which cells attach themselves to the target cell and release powerful toxins?
 A. Cytotoxic T-cells B. Helper T-cells
C. Regulatory T-cells D. memory T-cells
5. Which cell protect the fetus during pregnancy from autoimmunity?
A. Cytotoxic T-cells B. Helper T-cells
C. Regulatory T-cells D. Memory T-cells
6. Total number of carpal bones in one hand....
A. 4 B. 8
C. 10 D. 12
7. _____ is known as neck of the uterus.
A. Vagina B. Hymen
C. Cervix D. Fundus

Que. 6: 1. Explain the Physiology of digestion in detail.

15

Que. 7 Short Notes (Any Three). (3 x 5 = 15)

15

1. Cardiac cycle ✓
2. Haemostasis process ✓
3. Physiology of Muscle contraction ✓
4. Menstrual Cycle ✓

Que. 8 Short Answer. (Any Three) (3 x 2 = 6)

06

1. Functions of nose. ✓
 2. Hormones secreted by pituitary gland. ✓
 3. Types of immunity. ✓
 4. Functions of skin. ✓
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