

First Semester B.Sc Nursing Degree Regular Examinations August 2022

Paper II – Applied Anatomy and Applied Physiology

Time: 3 Hrs

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Section A – Applied Anatomy

Q.P. CODE: 122010

Max. Marks: 37

Multiple Choice Questions

(6x1=6)

(choose the most appropriate answer from the options given)

1. Renal artery is a branch of"
a) Coeliac trunk b) Superior mesenteric c) Inferior mesenteric d) Abdominal aorta
2. Elbow joint is an example of _____ type of joint.
a) Ball & Socket b) Hinge c) Ellipsoid d) Pivot.
3. An example for fibrocartilage is
a) Costal cartilage b) Pinna of ear c) Intervertebral disc d) Epiglottis
4. Coronary sinus opens into
a) Density. b) Left atrium c) Right ventricle d) Left ventricle
5. The distal attachment of Biceps brachii muscle is to
a) Ulnar tuberosity b) Radial tuberosity
c) Olecranon process d) Styloid process of radius
6. Motor area of Brain is located in _____ lobe.
a) Frontal b) Parietal c) Temporal d) Central

Essay

(1x10=10)

7. Mention the parts of Respiratory system. Describe Lungs in detail.

(2+8)

Short notes

(3x5=15)

8. Thyroid gland
9. Ventricles of brain
10. Kidney

Differentiate between

(3x2=6)

11. Artery and Vein
12. Small intestine and Large intestine
13. Testis and Ovary.

(PTO)

Section B – Applied Physiology

Q.P. CODE: 123010

Max. Marks: 38

Multiple Choice Questions

(7x1=7)

(choose the most appropriate answer from the options given)

1. Volume of air remaining in the lungs after a forceful expiration is called
 - a) Residual volume
 - b) Functional residual capacity
 - c) Inspiratory reserve volume
 - d) Expiratory reserve volume
2. Person with a blood group A has in his blood
 - a) Antigen B
 - b) Antibody A
 - c) Antigen A
 - d) No antigen
3. Cardiac output is
 - a) Five litres per minute in normal adult
 - b) Stroke volume X Pulse rate
 - c) Can be expressed as cardiac index
 - d) All of these
4. Rate of diffusion through cell membrane is directly proportional to
 - a) Concentration gradient
 - b) Molecular weight
 - c) Temperature
 - d) Thickness of membrane
5. GnRH is secreted from
 - a) Anterior Pituitary
 - b) Posterior Pituitary
 - c) Hypothalamus
 - d) Ovary
6. Occurrence of first menstruation is called
 - a) Puberty
 - b) Menarche
 - c) Thelarche
 - d) Adrenarche
7. Receptor for dim light vision is
 - a) Rods
 - b) Cones
 - c) Rhodopsin
 - d) Retinol

Essay

(1x10=10)

8. Describe the regulation of respiration. Add a note on periodic breathing.

(8+2)

Short notes

(3x5=15)

9. Erythropoiesis: definition and stages.
10. Write the composition and functions of bile.
11. Briefly explain the uterine changes taking place during different phases of menstrual cycle.

Give reasons for the following

(3x2=6)

12. Concave lens is used for the correction of myopia.
13. Defecation occurs in children soon after eating food.
14. Polyphagia (increased food intake) occurs in diabetes mellitus.
