

Section – B (Applied Physiology)

1. Long/Essay type questions (Attempt any one): 1 x 10 = 10
- a) Explain mechanism of respiration in detail.
 - b) Describe name, functions and diseases caused by alteration of adrenal gland hormones.
2. Short notes (Attempt any three): 3 x 5 = 15
- a) Explain cardiac cycle
 - b) Composition and functions of saliva
 - c) Blood group types
 - d) Functions of skin
3. Very short questions (Attempt any three): 3 x 2 = 6
- a) Fertilization
 - b) Functions of hypothalamus
 - c) Nerve impulse conduction
 - d) Explain GFR
4. Answer the following MCQ: 7 x 1 = 7
- i) Which eye part assist in accommodation of near vision:
 - a) Lens
 - b) Retina
 - c) Pupils
 - d) Iris
 - ii) Thyroid stimulating hormone is secreted by:
 - a) Anterior pituitary
 - b) Posterior pituitary
 - c) Thymus gland
 - d) Thyroid gland
 - iii) Which of the following cranial nerve is motor?
 - a) Olfactory
 - b) Optic
 - c) Trochlear
 - d) Vagus
 - iv) Thalassemia is associated with abnormal production of:
 - a) Neutrophils
 - b) Haemoglobin
 - c) Thrombocytes
 - d) Prothrombin
 - v) Which of the following enzyme is present in saliva?
 - a) Pepsin
 - b) Pepsinogen
 - c) Amylase
 - d) All of the above
 - vi) Enzyme secreted by the kidneys that is involved in control of blood pressure is:
 - a) Erythropoietin
 - b) Angiotensinogen
 - c) Urobilin
 - d) Renin
 - vii) Light band of sarcomere is made up of:
 - a) Only thin filaments
 - b) Only thick filaments
 - c) Both thin & thick filaments
 - d) Neither thin nor thick filaments

28-11-2023

B.Sc. Nursing- I Semester (Main) Examination November - 2023
5001

5001

APPLIED ANATOMY & APPLIED PHYSIOLOGY

Instructions to the candidates:

1. Do not write anything on question paper except Ro I Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules.
2. Use separate answer book for each section.

Duration: 3 Hours

No. of Pages in this Question Paper: 2

Total Marks: 75

Section – A (Applied Anatomy)

1. Long/Essay type questions (Attempt any one): 1 x 10 = 10
 - a) Describe chambers, layers and coronary circulation of heart.
 - b) Describe gross anatomy of liver and explain flow of bile.
2. Short notes (Attempt any three): 3 x 5 = 15
 - a) Structure of pancreas
 - b) Classification of joints with example
 - c) Muscles of upper limb
 - d) Blood supply of kidney
3. Very short questions (Attempt any three): 3 x 2 = 6
 - a) Structure of neuron
 - b) Clinical significance of prostate gland
 - c) Layers of uterus
 - d) Lobes of lungs
4. Answer the following MCQ: 6 x 1 = 6
 - i) The left common carotid artery arises from:
 - a) Brachiocephalic artery
 - b) Ascending aorta
 - c) Descending aorta
 - d) Arch of Aorta,
 - ii) The largest lymph organ is:
 - a) Tonsils
 - b) Thymus gland
 - c) Spleen
 - d) Liver
 - iii) Which nerve supplies the diaphragm?
 - a) Phrenic
 - b) Pudendal
 - c) Intercostal
 - d) Sciatic
 - iv) The common bile duct is form by fusion of:
 - a) Right and left hepatic duct
 - b) Cystic and right hepatic duct
 - c) Cystic and left hepatic duct
 - d) Cystic and common hepatic duct
 - v) Bones that forms knee joint are:
 - a) Radius, Ulna, Femur
 - b) Tibia, Fibula, Femur
 - c) Tibia, Femur, Patella
 - d) Radius, Femur, Patella
 - vi) Choose correct option for external urethral sphincter:
 - a) Striated muscles & voluntary
 - b) Striated muscles & involuntary
 - c) Smooth muscles & voluntary
 - d) Smooth muscles & involuntary

