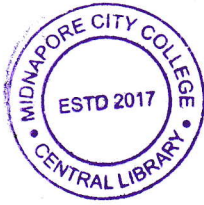


The West Bengal University of Health Sciences
B.Sc. in Medical Microbiology 1st Semester June-July, 2022
Examination



Subject : Basic of Human Anatomy

Time : 2 hrs.

Full Marks : 50

Attempt all questions

1. Tick the correct answer : 10 x 1
 - a) Which of the following part of human skeleton forms the helmet for the protection of human brain?
 i) Cranium. ii) Temporal bone. iii) Hyoid. iv) Mandible.
 - b) Which of the following type of cartilage is present at the joints of long bones in humans?
 i) Fibrous. ii) Hyaline. iii) Elastic. iv) Calcified.
 - c) Which of the following structures keep blood flowing unidirectionally in humans?
 i) Bronchiole. ii) Neuron. iii) Septum. iv) Valves.
 - d) Which of the following is the vestigial bony part of the human skeleton?
 i) Cranium. ii) Coccyx. iii) Cervical. iv) Clavicle.
 - e) Which of the following is the structural and functional unit of the human nervous system?
 i) Brain. ii) Axon. iii) Dendron. iv) Neuron.
 - f) What does corpus callosum connects in human brain?
 i) Two optic lobes. ii) Bone and muscle.
 iii) Two cerebral hemisphere. iv) Two lobes of pituitary gland.
 - g) How many pairs of the spinal nerve are found in human?
 i) 33. ii) 31. iii) 13. iv) 12.
 - h) Which of the following part of the parietal pleura covers the superior surface of the human diaphragm?
 i) Intercostal nerves. ii) Pneumothorax.
 iii) Mediastinal pleura. iv) Diaphragmatic pleura.
 - i) Which of the following cells in the pancreas make insulin?
 i) Epithelial cells. ii) Hepatic cells.
 iii) Germ cells. iv) Islet cells.
 - j) Human placenta is derived from _____ :
 i) Amnion. ii) Chorion. iii) Allantois and chorion. iv) Allantois.

2. Answer **any four** of the following questions : 4 x 2
 - a) Define meiosis.
 - b) Any two differences between the skeletal and smooth muscle.
 - c) Name the salivary glands.
 - d) What is PEYER'S patch?
 - e) Name accessory sex organs of male.
 - f) Name the photo receptor cells.

3. Answer **any four** of the following questions. 4 x 4
 - a) Draw a labelled diagram of retina.
 - b) Represent the cross-sectional structure of spinal cord.
 - c) Mention the functions of insulin.
 - d) Types, location and functions of taste buds.
 - e) Explain the gross anatomical layers of adrenal gland.
 - f) Structure of sarcomere.

4. Answer **any two** of the following questions : 2 x 8
 - a) Draw a complete labelled diagram of a nephron and mention brief functions of each parts.
 - b) Mention the gross structure and functions of stomach, elaborate peristalsis mechanism.
 - c) Enumerate the mechanism of visual transmission and optic pathways.