



BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.Sc.(OTT)-2021/B.Sc.(CCT)-2021/B.Sc.(CCT)-2022/B.Sc.(OTT)-2022

Course Name – Human Anatomy

Course Code - BOTT101/BCCT101/BCCTC101/BOTTC101

(Semester I)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Label the part that controls the heart?
 - a) Spinal cord
 - b) Medulla Oblongata
 - c) Neuron
 - d) Cerebrum
- (ii) Write the action of parathormone in human body
 - a) decreases blood sodium level
 - b) increases blood sodium level
 - c) decreases blood calcium level
 - d) increases blood calcium level
- (iii) Express the hormone pair responsible for "fight-or-flight" response
 - a) Insulin & Glucagon
 - b) Epinephrine & Norepinephrine
 - c) Thyroxin & Melatonin
 - d) Estrogen & Progesterone
- (iv) choose ,in aves that exchange of gasses occurs within the
 - a) lungs
 - b) airsacs
 - c) lungs and airsacs
 - d) none of these
- (v) Judge first branch of the human aorta is
 - a) Left subclavian artery
 - b) Brachiocephalic artery
 - c) Coronary artery
 - d) Left common carotid artery
- (vi) select which bone is not a part of hindlimb
 - a) femur
 - b) tibia
 - c) Fibula
 - d) ulna
- (vii) Interpret, person has blood group A means he/she has
 - a) A antigen in RBC
 - b) A antigen in plasma
 - c) B antigen in RBC
 - d) B antigen in plasma
- (viii) Predict,the sac around the heart is the
 - a) peritoneum
 - b) pleural sac.
 - c) Pericardium
 - d) myocardium.
- (ix) Explain which of the following structure at a synapse has the neurotransmittere?
 - a) Schwann cells
 - b) Synaptic cleft
 - c) Synaptic knobs
 - d) Synaptic vesicles
- (x) Interpret that the system of the body which coordinates and controls its activity is

known as

- a) Organ system
- b) Muscular system
- c) Nervous tissue
- d) Nervous system

(xi) select , cranial nerve that regulates the heartbeat is

- a) VII
- b) VIII
- c) IX
- d) X

(xii) select the structure into which the vein draining the kidney opens into

- a) abdominal aorta
- b) thoracic aorta
- c) inferior vena cava
- d) superior vena cava

(xiii) Estimate the correct sequence of the steps involved in the process of Human Digestive System?

- a) Digestion, Ingestion, Assimilation, Egestion and Absorption
- b) Ingestion, Digestion, Absorption, Assimilation and Egestion
- c) Egestion, Absorption, Digestion, Assimilation and Ingestion
- d) Assimilation, Absorption, Ingestion, Digestion and Egestion

(xiv) Estimate the form in which the undigested food is stored in the liver:

- a) Glucose
- b) Glycogen
- c) Pulp
- d) Carbohydrate

(xv) Recall how many bones does an adult human skeleton have?

- a) 205
- b) 207
- c) 209
- d) 206

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Interpret the difference between artery and vein. (3)
3. 3. Compose a flowchart showing the negative feedback mechanism for controlling the gonadal hormones. (3)
4. explain cardiac output (3)
5. Discuss reflex arc. (3)
6. . Analyze the different functions of Mouth. (3)

OR

Deduce the salivary gland as an exocrine gland. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. List the types of bone with proper example, Draw any two types of bone. (5)
8. Deduce the blood supply to liver along with proper flowchart. (5)
9. Organize a table demonstrating the location & function of GI Hormones. (5)
10. Illustrate the parts of lungs and draw the same. (5)
11. Classify the nervous system into two major parts. Draw a clean labelled diagram of spinal cord (5)
12. conclude and discuss structure of urinary system (5)

OR

conclude and draw the diagram of menstrual cycle stating every phase individually (5)
