



Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – DMLT-2023/DMLT-2024

Course Name – Human Anatomy and Physiology

Course Code - DMLT101

(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) Select the basic structural and functional unit of all living organisms:
 - a) Tissue
 - b) Organ
 - c) Cell
 - d) Organism
- (ii) Identify the following cell structures is responsible for producing energy in the form of ATP:
 - a) Golgi
 - b) Mitochondria
 - c) Nucleus
 - d) ER
- (iii) The type of cell that is observed to lack a nucleus and membrane-bound organelles:
 - a) Prokaryotic cell
 - b) Eukaryotic cell
 - c) Animal Cell
 - d) Plant Cell
- (iv) Identify the layer of the skin that contains sweat glands, hair follicles, and blood vessels:
 - a) Epidermis
 - b) Dermis
 - c) Hypodermis
 - d) Subcutaneous Tissues
- (v) Choose the primary function of sebaceous glands in the skin:
 - a) Regulation of body temperature
 - b) Production of sweat
 - c) Production of oil (sebum)
 - d) Protection against UV radiation
- (vi) Select one of the following that is NOT a mechanism the body uses to regulate body temperature:
 - a) Shivering
 - b) Sweating
 - c) Constriction of blood vessels
 - d) Increased heart rate
- (vii) Choose the term for the process by which the body increases heat production to raise body temperature:
 - a) Vasodilation
 - b) Vasoconstriction
 - c) Thermogenesis
 - d) Hypothermia

Illustrate the structure of excretory organs along with their significance.

(5)

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