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BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – M.Sc.(MLT)-2023/M.Sc.(MLT)-2024
Course Name – Human Anatomy & Applied Physiology
Course Code - MMTC01003
(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) Tissues

b) Organs

c) Cells

- d) Organ systems
- (ii) Predict the type of tissue that provides support and structure to the body.
 - a) Epithelial tissue

b) Connective tissue

c) Muscle tissue

- d) Nervous tissue
- (iii) Select the name of the cells in the epidermis that are responsible for producing melanin, the pigment that gives skin its color.
 - a) Keratinocytes

b) Melanocytes

c) fibroblasts

- d) Langerhans cells
- (iv) Select the layer of the skin that contains blood vessels, nerve endings, and hair follicles.
 - a) epidermis

b) dermis

c) hypodermis

- d) subcutis
- (v) Predict the condition of the skin characterized by red, itchy, and inflamed patches of skin.
 - a) Eczema

b) psoriosis

c) Acne

- d) Rosacea
- (vi) find the odd one out of the following regarding function of the thyroid gland.
 - a) Regulation of metabolism

- b) Production of thyroid hormones
- c) Regulation of blood calcium levels
- d) Maintenance of body temperature
- (vii) Predict the conditions characterized by the inflammation of the bladder, usually caused by a bacterial infection.
 - a) Cystitis

b) Glomerulonephritis

c) Pyelonephritis

- d) Nephrolithiasis
- (viii) Identify the Most Common Type of Leukemia: