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Barasat, Kolkata -700125



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(CCT)-2022/B.Sc.(OTT)-2022/B.Sc.(CCT)-2023/B.Sc.

(CCT)-2024/B.Sc.(OTT)-2024 Course Name – Pathology

Course Code - BCCTC203/BOTTC203 /

(Semester II)

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) Identify the temperature which is maintained by the Freezers in the pathology labs?
 - a) 10°C 15°C

b) 0°C - 10°C

c) - 10°C to -60°C

- d) 100°C
- (ii) Identify the usual concentration of the commercial formaldehyde available
 - a) 7 to 10%

b) 17 to 27%

c) 37 to 40%

- d) 40 to 50%
- (iii) Identify hypertrophy of a muscle is due to
 - a) increase in number

b) increase in size of cell

c) Decrease in number of cell

- d) Abnormal shape of cells
- (iv) Identify from the following which is not a feature of reversible cell injury
 - a) Cellular swelling

b) Reducing of ATP synthesis

c) Reduce cellular pH

- d) Defect in cell membrane
- (v) Select from the following which is an active cell death process
 - a) necrosis

b) lysis

c) apoptosis

- d) senescence
- (vi) Fat embolism is commonly identified in
 - a) Head injuries

b) Long bone fractures

c) Drowning

- d) Hanging
- (vii) Identify the modifiable risk factor associated with coronary artery disease is

11. Express the details about transfusion reaction.	(5)
12. Evaluate the key factors to assess in the COPD patient's health history.	(5)
OR	
Illustrate the causes of Atherosclerosis.	(5)

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