

N.A



BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – B.Sc.(OTT)-2022
Course Name – Biochemistry
Course Code - BOTTC202
(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) Articulate the appropriate enzyme with acute pancreatitis
- | | |
|--------|------------|
| a) AST | b) Amylase |
| c) GGT | d) Lipase |
- (ii) Choose the basic unit of protein
- | | |
|------------------|---------------|
| a) Peptide | b) Amino acid |
| c) Alpha-protein | d) Peptone |
- (iii) Choose the enzyme that acts as a sensitive marker for alcoholic liver disease
- | | |
|-------------------------------|---------------------------|
| a) Alanine transaminase | b) aspartate transaminase |
| c) gamma glutamyl transferase | d) Alkaline phosphatase |
- (iv) Identify the most important natural antioxidant
- | | |
|----------------|--------------|
| a) Vitamin D | b) Vitamin E |
| c) Vitamin B12 | d) Vitamin K |
- (v) The vitamin employed for the formation of hydroxyproline (in collagen) is
- | | |
|--------------|--------------|
| a) Vitamin C | b) Vitamin A |
| c) Vitamin D | d) Vitamin E |
- (vi) Trace the loaction from where carboxypeptidase is secreted
- | | |
|--------------------|--------------|
| a) pancreas | b) stomach |
| c) salivary glands | d) intestine |
- (vii) Identify the enzyme used in ELISA
- | | |
|-----------------|----------------------------|
| a) chymotrypsin | b) horse radish peroxidase |
| c) tyrosinase | d) lactate dehydrogenase |

12. A solution of tryptophan(trp) has an absorbance at 280nm of 0.54 in a 0.5cm length cuvette. (5)
Absorbance coefficient of trp is 6.4×10^3 L/mol/cm. Calculate the concentration of solution

OR

Calculate the molar absorptivity of a 1×10^{-4} M solution. Absorbance =0.20, path length is 2.5cm (5)
