

APPLIED BIOCHEMISTRY AND APPLIED NUTRITION & DIETETICS

Time: 3 Hours

Max Marks: 75

Note: Answer part A & B questions in two separate answer books

Question in part “A” should not be answered in part “B” and vice versa. Otherwise they will not be valued

Part-A

(Applied Biochemistry) 25 Marks

Choose the correct answer for the following MCQs:

4 X 1 = 4

1. The function of IgE is.....
 - a) Mediate in allergic response
 - b) Activation of 13- cells
 - c) Protection from ingested pathogens
 - d) Present on lymphocytes surface as receptors
2. Which of the following proteolytic enzyme is not produced by stomach?
 - a) Rennin
 - b) Gelatinase
 - c) Pepsin
 - d) Elastase
3. Protein is mainly detected by....
 - a) Northern blotting
 - b) Western blotting
 - c) Southern blotting
 - d) Eastern blotting
4. Milk protein casein is digested by the enzyme is....
 - a) Pepsin
 - b) α — chymotrypsin
 - c) Rennin
 - d) All of the above

Write short note on any THREE of the following:

3 X 5 = 15

5. Regulation of blood glucose
6. Digestion and absorption of triacylglycerol and phospholipids
7. Classification of fatty acids.
8. Enumerate the biological importance of Proteins.

Write briefly on the following:

3 X 2 = 6

9. Anticoagulant.
10. Vacutainer
11. Galactosemia.

Part-B

(Nutrition and Dietetics) 50 Marks

Choose the correct answer for the following MCQs:

8 X 1 = 8

12. Folic acid with Vitamin also helps to formation of red blood cells
 - a) Vitamin D
 - b) Vitamin A
 - c) Vitamin B12
 - d) Vitamin K
13. Referred as anti- beriberi factor
 - a) Nicotinic acid
 - b) Riboflavin
 - c) Thiamine
 - d) Pyridoxine

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