



BRAINWARE UNIVERSITY
Term End Annual Examination 2021 – 22
Programme – Bachelor of Science in Nursing
Course Name – Nutrition and Biochemistry
Course Code – BNS102
 (Year – 1)

Time allotted: 3 hrs.

Full Marks: 75

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

Section – A

1. **Write Short notes on any three of the following:** **5 x 3 = 15**
 - a) Mid day meal programme.
 - b) Function of proteins.
 - c) Importance of dietary fibres.
 - d) Food borne disease.
 - e) National Nutritional policy.

2. **Write long answer on any one of the following:** **10 x 1 = 10**
 - a) Classify foods and write down the role of foods in daily life. [5+5]
 - b) What are the Nutritional importance of vitamin A & vitamin D? [5+5]

3. **Write long answer on any one of the following:** **15 x 1 = 15**
 - a) i) Name the water soluble vitamins.
 - ii) Write down the sources of vit. B1 & B2.
 - iii) Why Beri Beri occurs?
 - iv) How can you prevent B complex deficiency disorders? [4+4+2+5]
 - b) i) What do you mean by mineral?
 - ii) Classify the minerals with examples.
 - iii) Mention the rich sources & deficiency disorder of mineral. [2+4+(4+5)]

Section –B

4. Write Short notes on any five of the following:

5 x 4 = 20

- a) Mitochondria
- b) Essential fatty acid
- c) Lipoproteins
- d) Alkalosis
- e) Pasteurization of milk

5. Write long answer on any one of the following:

1 x 15=15

a)

- i) Write down the causes of dehydration.
- ii) What are the signs & symptoms of dehydration?
- iii) Write down the importance of electrolyte potassium in human body.
- iv) Describe the features of potassium imbalance.

[3+4+4+4= 15]

b)

- i) Define lipids.
- ii) Classify the fats & lipids.
- iii) Write the name of essential fatty acids
- iv) Describe the functions, digestion & absorption of fats.

[2+4+3+6 = 15]