Library
Institute of Nursing
Brainware University
Barasat, Kolkata-12

BRAINWARE UNIVERSITY

Term End Semester Examinations, July- 2023

Programme – Bachelor of Science in Nursing

Course Name – Applied Biochemistry and Applied Nutrition & Dietetics

Course Code – BIOC 135 & NUTR 140

(Semester – II)

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

(Applied Biochemistry) **Marks - 25**

Group – A (Multiple Choice Question) **4 x 1 = 4**

1. **Select the correct answer of the following :-**

i) Gluconeogenesis Occurs in the Liver and Which Organ:

a Kidney b Muscle

c Heart d Fat

ii) Choose the risk factors for type 2 diabetes mellitus include:

a Family history b Being overweight

c High intake of dietary fat d All of the options listed are correct

iii) Name of the **diseases is caused by protein deficiency:**

a Anaemia b Kwashiorkor

c Hypothyroidism d All of the above

iv) Select the correct answer of normal pH of human blood is:

a 7-7.1 b 7.25-7.3

c 7.35-7.45 d 7.5-7.55

Institute
Brainware
Barasat, Kol

Group – B (Short answer type question) **3 x 5 = 15**

(*Answer Any Three Questions*)

2. Describe diabetes briefly [5]
3. List the signs and symptoms of atherosclerosis [5]
4. Write a short note on Myocardial Infraction [5]
5. Write a short note on Jaundice [5]

Group – C (Very short answer type question) **3 x 2 = 6**

(*Answer Any Three Questions*)

6. Classify carbohydrates. [2]
7. State the reason why LDL is known as "Bad Cholesterol." [2]
8. Prepare a very short notes on Respiratory acidosis [2]
9. Write very short notes on BUN. [2]

Section – B

(Applied Nutrition & Dietetics) **Marks - 50**

Group – A (Multiple Choice Question) **8 x 1 = 8**

10. Select the correct answer of the following :-

i) Signify the obesity is the result of :

a Overnutrition b . Undernutrition

c Optimum nutrition d None of the above

ii) Select the Vitamin is known as 'Anti- stress' Vitamin:

a Vitamin E b Vitamin B1

c Vitamin B5 d Vitamin c

iii) Mention the following is required as a component of blood hemoglobin:

a Iron b Copper

c Calcium d Magnesium

iv) Mention the appropriate time to initiate breast feeding after the birth of the child:

a a. Within the first hour of birth b b. Within 6 hours of birth

c Within 12 hours of birth d Within 24 hours of birth

Library
Institute of Nursing
Brainware University
Barasat, Kolkata-12

Group – C (Short answer type question) **4 x 5 = 20**

(*Answer Any Four Questions*)

13. Describe in details role of nutrition in maintaining health. [5]
14. Define Balanced Diet. Mention Factors you would consider while planning a meal. [2+3]
15. Discuss the various methods of cooking in details. [5]
16. Discuss Mid-Day meal programme. [5]
17. Describe four steps to food safety. [5]

Group – D (Very short answer type question) **6 x 2 = 12**

(*Answer Any Six Questions*)

18. Enumerate food sources of fats [2]
19. Define RDA [2]
20. Define Beri Beri [2]
21. Define Balanced Diet [2]
22. Define Dehydration [2]
23. Interpret PEM [2]
24. Illustrate foodborne illness [2]
