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BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(MLT)-2020/B.Sc.(MLT)-2021

Course Name – Basic Nutrition & Public Health

Course Code - BMLT404

(Semester IV)

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) Select the amount of protein intake is suggested to a lactating mother
- | | |
|--------|---------|
| a) 70g | b) 80g |
| c) 40g | d) 150g |
- (ii) Name the vitamin which is essential for the health of the brain
- | | |
|---------------|----------------|
| a) Vitamin B6 | b) Vitamin B12 |
| c) Vitamin B9 | d) Above all |
- (iii) Recognize correct answer-among the given nutrients milk is a poor source of
- | | |
|-----------------|--------------|
| a) Calcium | b) Protein |
| c) Carbohydrate | d) Vitamin C |
- (iv) Identify the macromolecule which has the highest calorific value
- | | |
|-----------------|-------------------------|
| a) Carbohydrate | b) Lipid |
| c) Protein | d) Both Fat and Protein |
- (v) From the following choose the option which can be the major source of fresh water available in India?
- | | |
|----------------|-----------------|
| a) Ocean water | b) River water |
| c) Pond water | d) Ground water |
- (vi) Identify the consequence of overweight
- | | |
|---------------------------------------|-----------------|
| a) deficiency of one or more nutrient | b) infections |
| c) excessive intake of energy | d) Both b and c |
- (vii) Select from the following which is a true statement regarding good personal hygiene?
- | | |
|--|--|
| a) Maintaining good personal hygiene has personal benefits | b) Maintaining good personal hygiene has social benefits |
| c) Maintaining good personal hygiene is important | d) All of these |

- (viii) It is not considered as nutrient- predict and choose correct answer?
 a) Vitamins
 c) Fiber
 b) Minerals
 d) Fats
- (ix) Which of these is required on the food label according to RDA
 a) total carbohydrate
 c) iron
 b) fat
 d) all of these
- (x) Identify the mode of nutrition when the food is directly given in the veins
 a) Parenteral
 c) Intravenous
 b) Enteral
 d) Saline
- (xi) An apple is a rich source of which of the following nutrients?
 a) Sodium
 c) Phosphorus
 b) Potassium
 d) Magnesium
- (xii) Identify from the following- Our bodies cannot produce
 a) Proteins
 c) Hormone
 b) Vitamin
 d) All of these
- (xiii) Identify full form of MPN
 a) Micrococcus presumptive number
 c) Most perfect number
 b) Most probable number
 d) Most presumed number
- (xiv) How would you recognize Protein energy malnutrition
 a) Protein Calcium malnutrition
 c) Protein calorie maintenance
 b) Protein calorie malnutrition
 d) Protein calorie marasmus
- (xv) Select from the following which one is responsible formation of tissues
 a) Vitamins
 c) Fats
 b) Carbohydrates
 d) Protein

Group-B

(Short Answer Type Questions)

3 x 5=15

2. If a patient does not have proper amount of amount D in her body, discuss the possible causes of vitamin D deficiency (3)
3. Demonstrate the role of poor sanitation for the transmission of amebiasis (3)
4. With the help of the pathophysiology of cholera disease illustrate the statement-"Cholera is watery diarrhea" (3)
5. Write different source of water with proper example (3)
6. Food handlers as a source of harmful bacteria- analyze and explain the statement (3)

OR

Differentiate sanitation and hygiene with corelation with public health (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Carbohydrate is an macronutrient- Explain the statement (5)
8. Prepare an experimental set up to show if milk is microorganism free or not (5)
9. Discuss the importance of nutrition to the discipline of Public Health with supportive example (5)
10. Differentiate between hard and soft water in relation to public health? (5)
11. Measure the amount of energy yield after oxidation of 1 molecule of glucose with proper explanation (5)
12. In our country we face many problem regarding nutrition, analyze the nutritional status of children from birth to age five (5)

OR

kwashiorkor is a PEM which is characterized by potted belly- How would you explain the statement (5)