

Name of the student: Date:/...../.....

Creative Questions

❖ **Creative Question: 01**

Rozina lives in the Northern area of Bangladesh. Four years old of her child cannot see in dim light. Rozina has been suffering from swelling of neck.

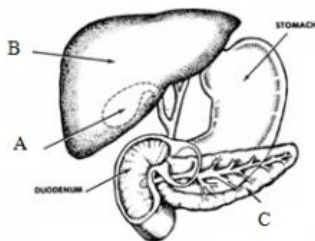
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|--|---|
| a) What is food pyramid? | 1 |
| b) What is meant by balanced diet? | 2 |
| c) Explain the cause of problem of Rozina's child. | 3 |
| d) "The disease of Rozina is very common in her area."—Evaluate the statement. | 4 |

❖ **Creative Question: 02**

30 years old, Javed is a football player. His height is 5'6" and weight is 63 kg. He has come to Dhaka Medical College taking his 2 years old son who has been suffering from Vitamin-D deficiency disease.

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|---|---|
| a) What is chlorosis? | 1 |
| b) Why is protein different from carbohydrate and fat? | 2 |
| c) Determine the per day calorie demand of Javed. | 3 |
| d) Describe the disease of Javed's son mentioned in the stem. | 4 |

❖ **Creative Question: 03**



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|--|---|
| a) What is villi? | 1 |
| b) What do you mean by mixed food? | 2 |
| c) Explain the functions of 'B' part of above figure. | 3 |
| d) Analyze the roles of 'A' and 'C' in the metabolic function of human body. | 4 |

Multiple Choice Questions

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|--|---|
| <p>1. How many inorganic nutritional elements have been identified in plants?</p> <p>a) 16 b) 20</p> <p>c) 40 d) 60</p> <p>2. How many nutrients are essential for the normal growth of plants?</p> <p>a) 16 b) 20</p> <p>c) 40 d) 60</p> <p>3. How many essential nutrients are called macronutrients?</p> <p>a) 10 b) 16</p> <p>c) 20 d) 60</p> <p>4. Macronutrient includes—</p> <p>i. Carbon</p> <p>ii. Magnesium</p> <p>iii. Molybdenum</p> <p>Which one is correct?</p> <p>a) i and ii b) i and iii</p> | <p>c) ii and iii d) i, ii and iii</p> <p>5. How many essential nutrients are called micronutrients?</p> <p>a) 5 b) 6</p> <p>c) 10 d) 20</p> <p>6. Micronutrient includes—</p> <p>i. Chlorine</p> <p>ii. Phosphorus</p> <p>iii. Manganese</p> <p>Which one is correct?</p> <p>a) i and ii b) i and iii</p> <p>c) ii and iii d) i, ii and iii</p> <p>7. Which element is absorbed by plants from atmosphere?</p> <p>a) C b) N₂</p> <p>c) H₂ d) Cl₂</p> <p>8. The nutrients that plant can absorb as ionic form—</p> |
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- i.* K^+
ii. Mg^{2+}
iii. NH_4^+
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
9. Which one is an essential element of nucleic acid?
 a) Iron b) Chlorine
 c) Nitrogen d) potassium
10. Essential elements of chlorophyll—
i. Nitrogen
ii. Magnesium
iii. Phosphorous
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
11. Which one helps a plant to absorb water?
 a) K b) P
 c) Fe d) Mn
12. Phosphorous is the structural component of—
i. ATP
ii. DNA
iii. RNA
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
13. Which one is essential for the elongation of roots of plant?
 a) K b) P
 c) Fe d) Mn
14. Which one plays role in the formation of chlorophyll?
 a) B b) Cu
 c) Fe d) Mo
15. Which one is necessary for the growth of root and stem of sugar beet?
 a) B b) Cl
 c) Fe d) Mo
16. Chlorosis occurs due to the deficiency of—
i. Iron
ii. Nitrogen
iii. Manganese
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
17. Due to the deficiency of what does leaf turn into purple?
 a) P b) K
 c) Cl d) Mg
18. Necrotic spot is developed due to the deficiency of—
i. Potassium
ii. Phosphorus
iii. Magnesium
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
19. Due to the deficiency of what is the initiation of floral bud obstructed?
 a) B b) S
 c) Cl d) Mg
20. Energy producing food—
i. Fat
ii. Protein
iii. Carbohydrate
 Which one is correct?
 a) ii b) iii
 c) i and iii d) i, ii and iii
21. Which food element enhances the rate of chemical reactions?
 a) Fat b) Protein
 c) Vitamin d) Carbohydrate
22. The elements present in protein besides nitrogen—
i. Iron
ii. Sulphur
iii. Phosphorus
 Which one is correct?
 a) i b) ii
 c) ii and iii d) i, ii and iii
23. What is the percentage of nitrogen in protein?
 a) 10% b) 16%
 c) 18% d) 20%
24. Which one is the not source of protein?
 a) Nut b) Pulse
 c) Mustard d) Been seed
25. The sources of polysaccharide—
i. rice
ii. sugar
iii. potato
 Which one is correct?
 a) i and ii b) i and iii
 c) ii and iii d) i, ii and iii
26. Which one is not the source of monosaccharide?
 a) Milk b) Honey
 c) Apple juice d) Mango juice
27. Which one remains in stomach for a long time?
 a) Rice b) Fish
 c) Pulse d) Egg yolk
28. What is the daily requirement of fat for a healthy person?
 a) 20-30 gm b) 30-40 gm
 c) 40-50 gm d) 50-60 gm
29. How many types of vitamins are there?
 a) 2 b) 3
 c) 4 d) 5
30. Which one is not a fat soluble vitamin?
 a) B b) D
 c) E d) K
31. Source of vitamin E and K—
i. liver

- ii. mola fish
- iii. dairy products

Which one is correct?

- a) ii
- b) iii
- c) ii and iii
- d) i, ii and iii

Observe the following stem and answer the question nos. 32 and 33.

Vitamin	Sources of vitamins
P	Carrot
Q	Fish oil
R	Pineapple
S	Dairy products

32. Which one is water soluble vitamin?
- a) P
 - b) Q
 - c) R
 - d) S
33. The symptoms of the disease due to the deficiency of 'S'—
- i. weakening of the bones
 - ii. everything seems to be hazy
 - iii. density of haemoglobin is less
- Which one is correct?
- a) i
 - b) ii
 - c) ii and iii
 - d) i, ii and iii
34. Which one is not the source of vitamin B?
- a) Peas
 - b) Red ata
 - c) Fish oil
 - d) Husking rice
35. Mineral salts play role in—
- i. nerve impulse
 - ii. muscle contraction
 - iii. keeping balance of acid and base
- Which one is correct?
- a) i and ii
 - b) i and iii
 - c) ii and iii
 - d) i, ii and iii
36. Which one is the source of calcium?
- a) Meat
 - b) Pickle
 - c) Apple
 - d) Small fished
37. Which one is the source of iron?
- a) Milk
 - b) Pulse
 - c) Aurum leaves
 - d) Sea weeds
38. Phosphorous is obtained from—
- i. milk
 - ii. pulses
 - iii. banana
- Which one is correct?
- a) i
 - b) i and ii
 - c) ii and iii
 - d) i, ii and iii
39. Which food does not contain potassium?
- a) Curd
 - b) Pulses
 - c) Banana
 - d) Potatoes
40. What percent of body weight is water?
- a) 40-50%
 - b) 45-50%
 - c) 50-60%
 - d) 50-65%
41. Roughage is—

- i. skin of fruits
- ii. lignin of cell wall
- iii. cellulose of cell wall

Which one is correct?

- a) ii
- b) iii
- c) ii and iii
- d) i, ii and iii

42. Who cannot digest cellulose?
- a) Cow
 - b) Man
 - c) Goat
 - d) Buffalo
43. Which one is at the apex of an ideal food pyramid?
- a) Butter
 - b) Pulses
 - c) Bread
 - d) Vegetables
44. The matters are to be considered at the time of preparing a balanced food chart—
- i. person's sex
 - ii. presence of adequate protein
 - iii. knowledge regarding weather and climate
- Which one is correct?
- a) ii
 - b) i and ii
 - c) ii and iii
 - d) i, ii and iii
45. What amount of fish has a hard working adult male to be taken daily?
- a) 10 gm
 - b) 20 gm
 - c) 30 gm
 - d) 40 gm
46. Hundred grams of which food contains more calorie energy?
- a) Gram
 - b) Mutton
 - c) Chicken
 - d) Hilsha fish
- Observe the following stem and answer the question nos. 47 and 48.
- Rasheda has come to Lions Eye Hospital, Dhaka from North Bengal with his 5 years old son who cannot see at night. She, herself is also a patient of enlargement of throat.
47. Which vitamin deficiency problem is the problem of the son of Rasheda?
- a) A
 - b) B
 - c) C
 - d) D
48. The reasons of Rasheda's problem—
- i. taking of less fruits
 - ii. deficiency of iodine in food
 - iii. less iodine in the soil of her region
- Which one is correct?
- a) ii
 - b) i and ii
 - c) ii and iii
 - d) i, ii and iii
49. Which vitamin is essential for the absorption of calcium and phosphorous?
- a) A
 - b) B
 - c) D
 - d) E
50. Which vitamin deficiency problem is rickets?
- a) A
 - b) D
 - c) E
 - d) K