

Multiple Choice Questions Chapter Five Food, Nutrition and Digestion

| 3 | ame: | Date: |
|----|--|---|
| C | Cass : IX | Subject: Bíology |
| 1. | How many inorganic nutritional elements have | ii. Magnesium |
| | been identified in plants? | iii. Phosphorous |
| | a) 16 b) 20 | Which one is correct? |
| | c) 40 d) 60 | a) i and ii b) i and iii |
| 2. | | (c) ii and iii (d) i, ii and iii |
| | normal growth of plants? | 11. Which one helps a plant to absorb water? |
| | a) 16 b) 20 | a) K b) P |
| | c) 40 d) 60 | c) Fe d) Mn |
| 3. | , | 12. Phosphorous is the structural component of— |
| | macronutrients? | i. ATP |
| | a) 10 b) 16 | ii. DNA |
| | c) 20 d) 60 | iii. RNA |
| 4. | Macronutrient includes— | Which one is correct? |
| | i. Carbon | a) i and ii b) i and iii |
| | ii. Magnesium | c) ii and iii d) i, ii and iii |
| | iii. Molybdenum | 13. Which one is essential for the elongation of |
| | Which one is correct? | roots of plant? |
| | a) i and ii b) i and iii | <i>a</i>) K <i>b</i>) P |
| | (c) ii and iii (d) i, ii and iii | c) Fe d) Mn |
| 5. | How many essential nutrients are called | 14. Which one plays role in the formation of |
| | micronutrients? | chlorophyll? |
| | a) 5 b) 6 | <i>a</i>) B <i>b</i>) Cu |
| | c) 10 d) 20 | c) Fe d) Mo |
| 6. | | 15. Which one is necessary for the growth of root |
| | i. Chlorine | and stem of sugar beet? |
| | ii. Phosphorus | a) B b) Cl |
| | iii. Manganese | c) Fe d) Mo |
| | Which one is correct? | 16. Chlorosis occurs due to the deficiency of— |
| | a) i and ii b) i and iii | i. Iron |
| | c) ii and iii d) i, ii and iii | ii. Nitrogen |
| 7. | Which element is absorbed by plants from | iii. Manganese |
| | atmosphere? | Which one is correct? |
| | a) C b) N_2 | a) i and ii b) i and iii |
| | $c)$ H_2 $d)$ Cl_2 | c) ii and iii d) i, ii and iii |
| 8. | The nutrients that plant can absorb as ionic | 17. Due to the deficiency of what does leaf turn |
| | form— | into purple? |
| | i. K ⁺ | <i>a)</i> P <i>b)</i> K |
| | ii. Mg ²⁺ | c) Cl d) Mg |
| | iii. NH ⁴⁺ | 18. Necrotic spot is developed due to the |
| | Which one is correct? | deficiency of— |
| | a) i and ii b) i and iii | i. Potassium |
| | (c) ii and iii (d) i, ii and iii | ii. Phosphorus |
| 9. | , · · · · · · · · · · · · · · · · · · · | iii. Magnesium |
| | acid? | Which one is correct? |
| | a) Iron b) Chlorine | a) i and ii b) i and iii |
| | c) Nitrogen d) potassium | c) ii and iii d) i, ii and iii |
| 10 | Essential elements of chlorophyll— | 19. Due to the deficiency of what is the initiation |
| | i. Nitrogen | of floral hud obstructed? |

| <i>a</i>) B <i>b</i>) S | iii. dairy products |
|--|---|
| c) Cl d) Mg | Which one is correct? |
| 20. Energy producing food— | a) ii b) iii |
| i. Fat | c) ii and iii d) i, ii and iii |
| ii. Protein | Observe the following stem and answer the |
| iii. Carbohydrate | question nos. 32 and 33. |
| Which one is correct? | Vitamin Sources of vitamins |
| a) ii b) iii | P Carrot |
| c) i and iii $d)$ i, ii and iii | Q Fish oil |
| 21. Which food element enhances the rate of | R Pineapple |
| chemical reactions? | S Dairy products |
| a) Fat b) Protein | 32. Which one is water soluble vitamin? |
| c) Vitamin d) Carbohydrate | a) P b) Q |
| 22. The elements present in protein besides | c) R $d)$ S |
| nitrogen— | 33. The symptoms of the disease due to the |
| i. Iron | deficiency of 'S'— |
| ii. Sulphur | <i>i.</i> weakening of the bones |
| iii. Phosphorus | <i>ii.</i> everything seems to be hazy |
| Which one is correct? | iii. density of haemoglobin is less |
| <i>a</i>) i <i>b</i>) ii | Which one is correct? |
| c) ii and iii $d)$ i, ii and iii | <i>a</i>) i <i>b</i>) ii |
| 23. What is the percentage of nitrogen in protein? | c) ii and iii d) i, ii and iii |
| a) 10% b) 16% | 34. Which one is not the source of vitamin B? |
| c) 18% d) 20% | a) Peas b) Red ata |
| 24. Which one is the not source of protein? | c) Fish oil d) Husking rice |
| a) Nut b) Pulse | 35. Mineral salts play role in— |
| c) Mustard d) Been seed | <i>i</i> . nerve impulse |
| 25. The sources of polysaccharide— | ii. muscle contraction |
| i. rice | iii. keeping balance of acid and base |
| ii. sugar iii. potato | Which one is correct? |
| Which one is correct? | a) i and ii b) i and iii |
| a) i and ii b) i and iii | c) ii and iii d) i, ii and iii |
| c) ii and iii d) i, ii and iii | 36. Which one is the source of calcium? a) Meat b) Pickle |
| 26. Which one is not the source of | c) Apple d) Small fished |
| monosaccharide? | 37. Which one is the source of iron? |
| a) Milk b) Honey | a) Milk b) Pulse |
| c) Apple juice d) Mango juice | c) Aurum leaves d) Sea weeds |
| 27. Which one remains in stomach for a long | 38. Phosphorous is obtained from— |
| time? | i. milk |
| a) Rice b) Fish | ii. pulses |
| c) Pulse d) Egg yolk | iii. banana |
| 28. What is the daily requirement of fat for a | Which one is correct? |
| healthy person? | a) i b) i and ii |
| a) 20-30 gm b) 30-40 gm | c) ii and iii d) i, ii and iii |
| c) 40-50 gm d) 50-60 gm | 39. Which food does not contain potassium? |
| 29. How many types of vitamins are there? | a) Curd b) Pulses |
| a) 2 b) 3 | c) Banana d) Potatoes |
| c) 4 d) 5 | 40. What percent of body weight is water? |
| 30. Which one is not a fat soluble vitamin? | <i>a</i>) 40-50% <i>b</i>) 45-50% |
| a) B b) D | c) 50-60% d) 50-65% |
| c) E d) K 31. Source of vitamin E and K— | 41. Roughage is— |
| i. liver | i. skin of fruits |
| ii. mola fish | ii. lignin of cell wall |
| v. 11101u 11011 | iii. cellulose of cell wall |

| | Which one is correct? | | | a) | iii | <i>b</i>) | i and ii |
|------------|--|---------------------------|-----|---------------------------------|--------------------------------|-------------|----------------------|
| | a) ii | b) iii | | c) | ii and iii | d) | i, ii and iii |
| | c) ii and iii | d) i, ii and iii | 52. | | | | disease is anemia? |
| 42. | Who cannot digest cell | | | a) | Iron | \vec{b}) | Iodine |
| | a) Cow | b) Man | | c) | Calcium | , | Sodium |
| | c) Goat | d) Buffalo | 53. | . W | ho has less poss | ibility | of suffering from |
| 43. | · · · | apex of an ideal food | | | emia? | J | S |
| | pyramid? | | | | Men | b) | Women |
| | a) Butter | b) Pulses | | | Children | , | Pregnant mother |
| | c) Bread | d) Vegetables | 54. | | emia occurs due t | | • |
| 44. | , | considered at the time of | | | ron | | |
| | preparing a balanced for | | | | folic acid | | |
| | i. person's sex | | | | vitamin B-12 | | |
| | <i>ii.</i> presence of adequat | e protein | | | hich one is correct | ? | |
| | | ng weather and climate | | <i>a</i>) | | | i and ii |
| | Which one is correct? | -8 earres area errerane | | , | ii and iii | | i, ii and iii |
| | a) ii | b) i and ii | 55 | | | | s the requirement of |
| | · | d) i, ii and iii | | | ergy for a person of | | • |
| 45 | , | as a hard working adult | | <i>a</i>) | • | <i>b</i>) | |
| 10. | male to be taken daily? | | | c) | | d | |
| | a) 10 gm | b) 20 gm | 56 | | e demand for calo | | |
| | c) 30 gm | d) 40 gm | 20. | | oody growth | | |
| 46 | | nich food contains more | | | physical condition | 1 | |
| 10. | calorie energy? | nen 1000 contains more | | | weather and clim | | |
| | a) Gram | b) Mutton | | | nich one is correct | | |
| | c) Chicken | d) Hilsha fish | | <i>a</i>) | | | i and ii |
| | · · · | g stem and answer the | | | ii and iii | | i, ii and iii |
| | question nos. 47 and 4 | - | 57 | | e food calorie = w | , | |
| | * | o Lions Eye Hospital, | 57. | | 2.4 | | 4.2 |
| | | ngal with his 5 years old | | | 4.7 | | 7.2 |
| | | at night. She, herself is | 58 | , | hich one contains | , | |
| | also a patient of enlarg | _ | 50. | | Egg | - | Milk |
| 47 | Which vitamin defice | ciency problem is the | | | Sugar | , | Guava |
| ٠,, | problem of the son of l | | | | hich one has calor | | |
| | a) A | b) B | 37. | | Fat | | Water |
| | c) C | d) D | | | Vitamins | | Mineral salts |
| 48 | The reasons of Rashed | | 60 | , | w much calorie d | | |
| 70. | <i>i.</i> taking of less fruits | a s problem | 00. | a) | | b) | • |
| | <i>ii.</i> deficiency of iodine | in food | | c) | | , | 18 |
| | iii. less iodine in the so | | 61 | | | | emand of an adult? |
| | Which one is correct? | on of her region | 01. | | 1500-2000 | | 2000-2500 |
| | a) ii | b) i and ii | | , | 2500-3000 | | 3000-3500 |
| | c) ii and iii | d) i, ii and iii | 62 | , | dy mass index ind | | |
| 49 | | ential for the absorption | 02. | | he presence of fat | | |
| 17. | | - | | | the structure of the | | 7 |
| | of calcium and phosphorous? a) A b) B | | | iii. the amount of carbohydrate | | | |
| | c) D | d) E | | | hich one is correct | - | irac |
| 50 | Which vitamin deficien | / | | <i>a</i>) | | | i and ii |
| 50. | a) A | b) D | | | ii and iii | | i, ii and iii |
| | c) E | d) K | 63 | | | , | of determining the |
| 5 1 | <i>'</i> | <i>'</i> | US. | | IIO IIIVEIRS LIE 10 AR value? | iiiiuld | or actermining the |
| J1. | The symptoms of ricker | 515 <u>-</u> | | | | <i>L</i>) | Johan Mendel |
| | <i>i.</i> weakening of bones | | | | Margulies Harris Benedict | | Thomas Malthus |
| | ii. swelling of the joint | | 61 | , | | , | |
| | iii. bending of the bone | 28 | 04. | | e value of BMR d | epend | 5 UII— |
| | Which one is correct? | | | ι. Ι | ood habit | | |

- ii. sex and age 75. Salivary glands are located iii. body structure *i*. below the ear Which one is correct? ii. below the tongue iii. at the side of the jaw *a*) ii b) i and ii d) i, ii and iii Which one is correct? c) ii and iii 65. What percent of energy production in our a) i and ii b) i and iii body does BMR controls? c) ii and iii d) i, ii and iii *a*) 40-50% *b*) 45-50% 76. Which teeth are used for tearing and grasping? c) 50-60% d) 60-70% b) Canine a) Molar 66. What percent of energy does our body get c) Incisor d) Premolar from taking food? 77. By what does the tooth get attached with gum? a) 10-12% b) Enamel b) 10-15% a) Pulp d) 10-20% d) Dentine c) 10-18% c) Cement 67. What percent of energy does our body get 78. Enamel is composed of through physical activities? i. fluoride a) 10-20% b) 20-30% ii. calcium carbonate c) 30-40% d) 40-50% iii. calcium phosphate 68. Which BMI value indicates the first stage of Which one is correct? obesity? *a*) i *b*) ii *a*) 18.5-24.9 b) 25-29.9 c) ii and iii d) i, ii and iii c) 30-34.9 d) 35-39.9 79. Which one of tooth contains blood vessels? Observe the following stem and answer the a) Pulp b) Enamel question nos. 69 and 70. c) Cement d) Dentine Name of the students **BMI Value** 80. Which one is not the part of small intestine? b) Rectum Akib 18.5-24.9 a) Ileum c) Jejunum d) Duodenum 25-29.9 Nokib 81. What is called the finger like projection of the Rakib 30-34.9 inner wall of intestine? Sakib 35-39.9 a) Villi b) Cortex 69. Who possesses good health? c) Medula d) Capsule b) Nokib a) Akib 82. Which one is not the part of large intestine? c) Sakib d) Rakib b) Colon a) Anus 70. Sakib has to c) Rectum d) Caecum i. take doctor's advice 83. What is the name of the enzyme that salivary ii. do exercise regularly juice contains? iii. take moderate amount of food *a*) Lipase b) Ptyalin Which one is correct? c) Trypsin d) Amylase a) i and ii b) i and iii 84. Salivary juice contains d) i, ii and iii c) ii and iii i. water 71. Which one is not approved chemical for food ii. mucin preservation? iii. ptyalin b) CH₂O a) SO₂ Which one is correct? c) NaNO₃ d) C₇H₅NaO₂ b) iii a) ii 72. Sorbet includes c) ii and iii d) i, ii and iii i. K 85. How many incomplete lobes are there in liver? ii. Na
- - iii. Ca

Which one is correct?

- a) i and ii
- b) i and iii
- d) i, ii and iii
- c) ii and iii
- 73. The Romans used water containers made of
 - a) Iron
- b) Gold
- c) Lead
- d) Silver
- 74. Which one makes the food slippery?
 - a) Mucin
- b) Pepsin
- c) Ptyalin
- d) Lipase

Sanjib Kumar Pal (01710289383)

b) 3

d) 6

b) Intestine

d) Gall bladder

a) 2

c) 4

87. Bile is—

a) Liver

i. alkaline

c) Pancreas

ii. bitter taste

86. Where is bile produced? In—

iii. deep brown in color

Which one is correct?

| | <i>a</i>) i | b) iii | 97. \ | Wh | here is fat digested? | In— | _ |
|------------|--|--|--------------|-------|---------------------------|------|--------------------|
| | c) i and ii | d) i, ii and iii | | | Mouth | | Stomach |
| 88. | Which one is not the in | | | , | Caecum | | Duodenum |
| | a) Water | b) Bile salt | | , | dic chyme becomes | | |
| | c) Glycogen | d) Cholesterol | | i. bi | | | |
| 89. | Excessive amino acid i | · | | | ntestinal juice | | |
| ٠,٠ | a) Liver | b) Kidney | | | pancreatic juice | | |
| | c) Pancreas | d) Gall bladder | | | ich one is correct? | | |
| | | figure and answer the | | a) | | b | i and ii |
| | question nos. 90 and 91 | | | / | i and iii | | i, ii and iii |
| | question nos. 50 and 51 | | | | nich one emulsifies f | | |
| | | | | | Bile | | Lipase |
| |) | <i>}</i> —A | | | Trypsin | | Amylase |
| | | | 100. | | Where is digestion | | |
| | $_{\rm B}$ | | | | Mouth | | Stomach |
| | В | | | / | Caecum | | Duodenum |
| 00 | Which one is disasted | l in 'A' montred mont of | | / | | | |
| 90. | _ | l in 'A' marked part of | 101. | | Dyspepsia causes diabetes | ue i | 0— |
| | above figure? | h) Dies | | | | | |
| | a) Ilish | b) Rice | | | lepression | | |
| Ω1 | c) Ghee | d) Pea nut | | | infection in stomach | .1 | |
| 91. | | l part of above figure is | | | ich one is correct? | 1. | 1 1 !! |
| | composed of— | | | a) | | | i and ii |
| | <i>i.</i> involuntary muscle | | | | i and iii | | i, ii and iii |
| | ii. simple epithelial tissue iii. columnar epithelial tissue | | 102. | | | sym | ptom of dyspepsia? |
| | | | | | Sour belch | | |
| | Which one is correct? | 7) . 1 | | | Abdominal flatulen | | |
| | <i>a</i>) iii | b) i and ii | | | Feeling a full stoma | | |
| 00 | c) i and iii | d) i, ii and iii | | , | Pain in lower abdor | | |
| 92. | Which one is not secret | 7 = | 103. | | Dysentery is caused | ı by | the infection of— |
| | a) Pepsin | b) Insulin | | | higella | | |
| 0.2 | c) Trypsin | d) Glucagon | | | Pseudomonas | | |
| 93. | Pancreas— | | | | Entamoeba histolyti | ıca | |
| | <i>i.</i> maintains water balan | | | | ich one is correct? | 7 \ | |
| | ii. controls body tempe | | | / | iii | | i and ii |
| | iii. maintains acid-base | balance | | , | i and iii | | i, ii and iii |
| | Which one is correct? | | 104. | | What is the name o | | • |
| | a) iii | b) i and ii | | / | Bacillus | | Shigella |
| | c) ii and iii | d) i, ii and iii | | , | Rota virus | | E. histolytica |
| 94. | | ed in the stomach for | 105. | | Constipation occurs | s du | e to— |
| | killing the germs comin | _ | | | eading lazy life | | |
| | a) HCl | b) HNO ₃ | | | ntestinal disorder | | |
| ~ - | c) H ₂ SO ₄ | $d)$ H_3PO_4 | | | food containing rou | gha | ge |
| 95. | | ch one converts inactive pepsinogen into Which one is correct | | | | | |
| | active pepsin? | | | , | i and ii | | i and iii |
| | a) Bile | b) HCl | C | c) | ii and iii | d) | i, ii and iii |
| | c) Saliva | d) Trypsin | | | | | |
| 96. | Which one breaks carb | • | | | | | |
| | a) HCl | b) Pepsin | | | | | |
| | c) Trypsin | d) Amylase | | | | | |