

SECTION-B

[Only for candidates appearing in QURAT July'19 -DEPARTMENT OF OF NUTRITION AND DIETETICS]

51. Pepsin is secreted by
- Zymogen cells of stomach
 - Zymogen cells of duodenum
 - Paneth cells
 - None of these
52. Stool of a person is whitish grey due to the malfunction of the following organ
- Liver
 - Kidney
 - Pancreas
 - Spleen
53. The Nissl granules of nerve cells are made up of
- Ribosomes
 - Proteins
 - RNA
 - DNA
54. RBC cast in the microscopic examination of the urine is an indicator of
- Acute glomerulonephritis
 - Acute pyelonephritis
 - Chronic glomerulonephritis
 - Nephritic syndrome
55. The occurrence of hyperthyroidism following administration of supplemental iodine to subjects with endemic iodine deficiency goiter is known as
- Jod – Basedow effect
 - Wolff – Chaikoff effect
 - Thyrotoxicosis factitia
 - De Quervain's thyroiditis
56. H.Pylori is known to cause all of the following except
- Gastric ulcer
 - Duodenal ulcer
 - Gastric lymphoma
 - Fundal gastritis
57. During fasting in what sequence are the following organic compound used by the body
- First fat, next carbohydrates and lastly proteins
 - First carbohydrates, next proteins and lastly lipids
 - First proteins, next lipids and lastly carbohydrates
 - First carbohydrates, next lipids and lastly proteins
58. The movement of chloride ions into erythrocytes from the plasma to maintain osmotic balance during transport of gases is known as
- Chlorination
 - CO₂ transport
 - Hamburger phenomenon
 - Passive transport
59. Salmonellosis involves
- An enterotoxin and exotoxin
 - An enterotoxin and cytotoxin
 - An exotoxin and cytotoxin
 - A cytotoxin only
60. Corn syrup is a mixture of
- Dextrose and maltose
 - Dextrose and galactose
 - Galactose and maltose
 - Glucose and galactose
61. An element that helps in biochemical functions of Vitamin E.
- Selenium
 - Chromium
 - ALA
 - Coenzyme Q
62. A type of Anemia as indicated by porphyrins in urine.
- Pernicious
 - Megaloblastic
 - Sickle cell
 - Hemolytic
63. Increased contraction of heart is due to
- Hypercalcemia
 - Hyperkalemia
 - Hypocalcemia

- d. Hypokalemia
64. The normal Glomerular filtration rate is
 a. 90 -120 ml/min/1.73 m²
 b. 100 -150 ml/min/1.73m²
 c. 80 -100 ml/min /1.73 m²
 d. 70 – 110 ml/min/1.73m²
65. Haemophilia A is due to the deficiency of following factor
 a. X
 b. V
 c. VIII
 d. II
66. Name the amino acid that directly participates in the synthesis of heme.
 a. Methionine
 b. Aspartate
 c. Glycine
 d. Tryptophan
67. Of the following methods that have been used to investigate the epidemiology of Staphylococcus aureus, which one best discriminates between strains?
 a. Bacteriocin typing
 b. Phage typing
 c. Antibiotic susceptibility patterns
 d. Pulse field gel electrophoresis
68. Name the amino acid from which ammonia is derived in the renal tubular cells which is finally excreted as NH₄⁺
 a. Asparagine
 b. Glutamine
 c. Glutamate
 d. Aspartate
69. DPT is given to children at the age of 16-24 months, as the dose is
 a. 0.5 ml at intervals of 4 weeks
 b. A booster dose of 0.5 ml
 c. Both a and b
 d. None of these
70. Concentration of SGPT is high
 a. Mainly in liver
 b. In Heart, liver, skeletal muscle, kidneys
 c. Mainly in kidneys
 d. Mainly in heart
71. Hydrolysis of fats by alkalies into fatty acids and glycerol is called
 a. Coagulation
 b. Saponification
 c. Suspension
 d. Colloidal
72. Immunoglobulin _____ crosses the placenta.
 a. IgM
 b. IgG
 c. IgA
 d. IgE
73. A high concentration of glucose 6 phosphate is inhibitory to which of the following enzymes
 a. PFK 1
 b. Glucokinase
 c. Hexokinase
 d. All of the above
74. Bile acids are regulatory molecules, they activate receptors of
 a. Vitamin D
 b. Vitamin B12
 c. Vitamin B6
 d. Vitamin K
75. _____ located at the enterocyte brush border membrane breaks down disaccharide into two glucose molecules.
 a. Lactase
 b. Maltase
 c. Lipase
 d. Amylase
76. All of the following tests are positive for lactose except
 a. Benedict
 b. Barfoed
 c. Molisch
 d. Osazone
77. Key and Lock model was proposed by
 a. Kosh Land
 b. Dixon
 c. Fisher
 d. None of the above

78. Which of the following enzymes is not a protein
- Diastase
 - Pepsin
 - Ribozymes
 - Trypsin
79. Activity of pancreatic lipase increases in presence of
- Bile salts
 - Pancreatic co Lipase
 - Aminoacids
 - All of the above
80. Which one of these is NOT the function of Leucocytes
- Secretion of trypsin like enzymes which digests phagocytised material.
 - Production of antitoxins
 - Hasten clot retraction
 - Helps in fat metabolism
81. Bile acid has a detergent action due to
- formation of soap
 - formation of zwitter ion
 - amphipathic nature of bile acids
 - Formation of medium chain triglycerides
82. Scalding of vegetables is a
- freezing treatment
 - Irradiation
 - Fermentation
 - Heat treatment
83. What is the fate of any enzyme that is present in the foods we eat?
- Hydrolysed in the GI tract
 - Absorbed intact by the small intestine
 - Passed through the GI tract & Excreted in the stool
 - Absorbed intact by the small intestine
84. In Alcoholic cirrhosis _____ is elevated
- Albumin
 - SGOT
 - SGPT
 - GGT
85. During starvation, the major source of blood glucose is
- Hepatic glycogenolysis
 - Gluconeogenesis
 - Muscle glycogenolysis
 - Dietary glucose from intestine
86. With reference to microorganism the water activity (aw) for pure water is
- 1.00
 - 9.99
 - 0.9823
 - 0
87. The two nutrients together are called symporters
- Glucose & Potassium
 - Glucose & Sodium
 - Glucose & amino acids
 - Glucose & Free fatty acids
88. Prevention of self decomposition can be accomplished by
- Blanching
 - Washing
 - Chemicals
 - Heat
89. Stress causes damage to _____ gland and it in turn causes cancer
- Pituitary
 - Thymus
 - Thyroid
 - Adrenal
90. Low temperature storage of potatoes results in
- sweet
 - Have more sugar
 - Have more starch
 - 4 – 6
91. Microcytic hypochromic blood picture indicates
- Pernicious anaemia
 - Sickle cell anaemia
 - Iron deficiency anaemia
 - Folic acid deficiency

92. Compounds formed from a nitrogenous base and a pentose sugar are
- Nucleic acids
 - Nucleosides
 - Nucleotides
 - Steroids
93. An abnormal accumulation of fluid within the abdominal cavity
- Ascites
 - Aflatoxicosis
 - Amniotic fluid
 - Myxoedema
94. Green tea is
- Orthodox tea
 - Fermented tea
 - Unfermented tea
 - Semi-fermented tea
95. Canning of fruits and vegetables is a.....Process
- Cold
 - Heat
 - Irradiation
 - Microwave
96. Vitamin B2 was FIRST isolated from which of the following?
- Milk
 - Lemon juice
 - Yeast
 - Carrot
97. Which amino acid is responsible for buffering of haemoglobin?
- Glutamine
 - Arginine
 - Histidine
 - Valine
98. The main reservoir for Staphylococcus aureus is human
- Urine
 - Nasal cavity
 - Feces
 - Seminal fluid
99. All the following bacteria constitute the anaerobic flora of colon EXCEPT
- Citrobacter
 - Lactobacillus
 - Bifidobacterium
 - Bacteroides
100. Which of the following is NOT an intrinsic factor in food spoilage
- pH
 - Available nutrients
 - Temperature
 - Moisture content