

PU M Sc Food Science and Nutrition

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112 PU_2015_389

Some enzymes require the presence of a non-protein substance if they are to catalyse a reaction. Which of the following terms is the best general term for such a substance?

- ☐ cofactor
- ☐ co-enzyme
- ☐ prosthetic group
- ☐ modulator

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The Danger Zone for food-borne illness is the temperature range of:-

- ☐ 30 - 100 °F
- ☐ 10 - 60 °F
- ☐ 40 - 140 °F
- ☐ 20 - 90 °F

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A common anthropometric measure for infants is:-

- ☐ Recumbent height
- ☐ Sitting height
- ☐ Standing height
- ☐ Laying height

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A method of food preservation that does destroy microorganism and enzymes is _____.

- ☐ Drying
- ☐ Freezing
- ☐ Microwaving foods
- ☐ Pressure canning

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The Acceptable Daily Intake (ADI) of a non.carcinogen is:-

- ☐ one-tenth of a no-observed effect level (NOEL)
- ☐ 1/1 000 of no-observed effect level (NOEL)
- ☐ 1/100 of a no-observed effect level (NOEL)

☐ zero

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The apolipoprotein which forms the integral component of chylomicron is:-

☐ B-100

☐ D

☐ B-48

☐ C

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Recurrent vomiting leads to loss of:-

☐ Bicarbonate

☐ Chloride

☐ Potassium

☐ All of these

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169 PU_2015_389

Storage part of vitamin A in body:-

☐ Liver

☐ Adipose tissue

☐ Pancreas

☐ Islets of Langerhans

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102 PU_2015_389

Which of the following is not involved in the biosynthesis of DNA?

☐ Enzymes

☐ Carbonic anhydrase

☐ Mononucleotides

☐ Energy from ATP

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123 PU_2015_389

An example of phosphoprotein present in egg yolk is:-

☐ Ovovitellin

☐ Ovoglobulin

☐ Ovoalbumin

☐ Avidin

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154 PU_2015_389

Which is a chemical that combines with a substance and sets aside?

☐ Emulsifier

☐ Stabilizer

☐ Sequestratants

☐ Humicans

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177 PU_2015_389

Which of the following is not a polymer of glucose?

☐ Inulin

☐ Dextrin

☐ Amylose

☐ Cellulose

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113 PU_2015_389

Palmitate has 16 carbon atoms with:-

☐ 2 double bonds

☐ 3 double bonds

☐ One double bond

☐ None of these

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138 PU_2015_389

Trace minerals are those needed in amounts less than _____ mg per day in our diets.

☐ 5

☐ 50

☐ 100

☐ 200

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164 PU_2015_389

Green rot in egg is due to:-

☐ *Pseudomonas flurescens*

☐ *Aspergillus niger*

☐ *Serratia marcescens*

☐ *Cladosporium*

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_____ grams of a day's food intake should be protein.

- ☐ 65
- ☐ 45
- ☐ 35
- ☐ 55

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197 PU_2015_389

Only Lactic acid bacteria can ferment sugars and nutrients in pickles because they:-

- ☐ Use acetic acid
- ☐ Produce lactic acid
- ☐ Are tolerant of salt levels
- ☐ Use a naturally occurring enzyme

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139 PU_2015_389

Jack eats 1600 Kcals and 50 grams of protein per day. The percentage of total energy that comes from protein is:-

- ☐ 50%
- ☐ 12.5%
- ☐ 25%
- ☐ 3.1%

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Cholesterol is a chemical that actually belongs to the _____ family.

- ☐ protein
- ☐ carbohydrate
- ☐ alcohol
- ☐ fat

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114 PU_2015_389

All the following statements about primary gout are true except:-

- ☐ Its inheritance is X-linked recessive.
- ☐ It can be due to increased activity of PRPP synthetase.

- ☐ De novo synthesis of purines is increased in it.
- ☐ It can be due to increased activity of hypoxanthine guanine phosphoribosyl transferase.

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The following part is absent in Leeuwenhoek's microscope:-

- ☐ Focusing Screw
- ☐ Lens
- ☐ Specimen holder
- ☐ Condenser

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214 PU_2015_389

Which of the following is not a primary function of protein?

- ☐ provides good and readily available source of energy
- ☐ production of antibodies
- ☐ growth and maintenance of cells
- ☐ tissue and nerve development

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A high-protein diet increases the risk of:-

- ☐ Parkinson's disease
- ☐ Type I diabetes
- ☐ Multiple sclerosis
- ☐ Osteoporosis

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DEFT is based on:-

- ☐ Conductance
- ☐ Turbidity
- ☐ Direct microbial count using microscope
- ☐ Cellular activity

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179 PU_2015_389

The specimen for an electron microscope is always:-

- ☐ Sliced in to thin sections
- ☐ Killed

- ☐ Stained with dyes
- ☐ Viewed directly

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The term culture refers to the _____ growth of microorganism in media.

- ☐ Microscopic
- ☐ Rapid
- ☐ Macroscopic
- ☐ Artificial

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One who approves the use of pesticide tolerance levels for pesticide levels in food in the US.

- ☐ NMFS
- ☐ EPA
- ☐ FDA
- ☐ USDA

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166 PU_2015_389

Sunk like flavor in milk is caused by:-

- ☐ *Streptococcus lactis*
- ☐ *Callus cereus*
- ☐ *Aeromonas hydrophila*
- ☐ *Pseudomonas mephitica*

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Which of the following is the intrinsic factor affecting the microbial growth?

- ☐ Water activity
- ☐ Packaging
- ☐ RH
- ☐ Preservatives

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The sequence of amino acids that make up a protein molecule is specified by:-

- ☐ sex
- ☐ heredity

- ☐ age
- ☐ diet

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To which of the following does thymine form hydrogen bonds in DNA?

- ☐ thymine
- ☐ guanine
- ☐ adenine
- ☐ cytosine

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The process by which yeast changes sugar into carbon dioxide is called:-

- ☐ Fermentation
- ☐ Kneading
- ☐ Knocking back
- ☐ Proofing

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176 PU_2015_389

Which one of the following statements concerning glucose metabolism is correct?

- ☐ An elevated level of insulin leads to a decreased level of fructose 2, 6-bisphosphate in hepatocyte
- ☐ The conversion of Glucose to lactate occurs only in the R.B.C
- ☐ Glucose enters most cells by a mechanism in which Na^+ and glucose are co-transported
- ☐ Pyruvate kinase catalyses an irreversible reaction

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Atherosclerosis can cause blood:-

- ☐ Clotting
- ☐ Thinning
- ☐ Thickening
- ☐ None of these

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192 PU_2015_389

If the legal maximum of nitrite (NO_2) is 156 ppm, how much sodium nitrite can you `legally add to 1 kg. of meat?

- ☐ 31.2 oz

- ☐ 15.6 ounces
- ☐ 156 mg
- ☐ 78 mg

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Best indicator for nutritional status for a child is:-

- ☐ Head circumference
- ☐ Mid arm circumference
- ☐ Chest circumference
- ☐ Rate of increase of height and weight

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Cholesterol is the precursor of:-

- ☐ a) steroid hormones
- ☐ b) vitamin A
- ☐ c) bile salts
- ☐ d) both (a) and (c)

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How many ATPs are formed during complete oxidation of palmitate?

- ☐ 35
- ☐ 131
- ☐ 96
- ☐ 129

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Soy sauce is made with the use of _____.

- ☐ Bacteria
- ☐ Fungi
- ☐ Mold
- ☐ Yeast

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Role of stabilizers:-

- ☐ To preserve flavour

- ☐ Prevents products from separating
- ☐ Provide an even texture
- ☐ Allow substances to flow freely

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Sonti is:-

- ☐ Rice beer
- ☐ Barley beer
- ☐ Ginger beer
- ☐ Wheat beer

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103 PU_2015_389

Which of the following statements is not true regarding the active site of an enzyme?

- ☐ An active site is normally a hollow or cleft on the surface of an enzyme.
- ☐ An active site contains amino acids which are important to the binding process and the catalytic mechanism.
- ☐ Substrates fit into active sites and bind to functional groups within the active site.
- ☐ An active site is normally hydrophilic in nature.

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191 PU_2015_389

Anaemia is a disease resulting from a low red blood cell count. The red blood cells are the cells that carry _____ throughout the body ~ or absorption.

- ☐ Fibre
- ☐ Vitamin B12
- ☐ Iron
- ☐ Carbon dioxide

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An obligate halophile requires high:-

- ☐ pH
- ☐ Temperature
- ☐ Salt
- ☐ Pressure

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167 PU_2015_389

Hops are:-

- ☐ Not effective against bacteria
- ☐ Effective against gram positive bacteria
- ☐ Effective against gram negative as well as gram positive bacteria
- ☐ Effective against gram negative bacteria

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Which of the following milks can form the basis of a caramel sauce?

- ☐ Powdered milk
- ☐ Buttermilk
- ☐ Evaporated milk
- ☐ Condensed milk

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When a food scientist appraises a food using sight, smell, taste and possibly touch, this is often referred to as:-

- ☐ sensory evaluation
- ☐ extra sensory perception
- ☐ sensory perception
- ☐ sensory orientation

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Turbidostat and chemostats are:-

- ☐ Types of sterilizer
- ☐ Types of fermenter
- ☐ Instrument to enumerate the microbial cells
- ☐ Continuous culture medium

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A chemical with sporicidal properties is:-

- ☐ Quaternary Ammonium Compound
- ☐ Glutaraldehyde
- ☐ Alcohol
- ☐ Phenol

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Among the following which is not cell adhesion protein?

- ☐ Selectin
- ☐ Integrin
- ☐ Catherin
- ☐ Immunoglobulin

51 of 100

217 PU_2015_389

Bacteria do not thrive below 40 degrees Fahrenheit or above _____ degrees Fahrenheit.

- ☐ 13
- ☐ 12
- ☐ 14
- ☐ 11

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Heating of cream at low pressure is called:-

- ☐ Pasteurization
- ☐ Vacrearton
- ☐ Thermo sterilization
- ☐ Sterilization

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What percentage of weight does bread lose during baking?

- ☐ 25-33 percent
- ☐ 10-13 percent
- ☐ 0-3 percent
- ☐ 16-23 percent

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The daily water loss through gastrointestinal tract in an adult is about:-

- ☐ Less than 100 ml/day
- ☐ 400 ml/day
- ☐ 300 ml/day
- ☐ 200 ml/day

55 of 100

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During parenteral nutrition, the infusion of large amounts of dextrose increases electrolyte requirements for:-

- ☐ Potassium and phosphorus
- ☐ Sodium and phosphorus
- ☐ Sodium and potassium
- ☐ Potassium and chloride

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Two factors that accelerate rancidity in food products are _____.

- ☐ Light and moisture
- ☐ Light and soluble minerals
- ☐ Light and oxygen
- ☐ Temperature and light

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213 PU_2015_389

Which is of the following food component is primarily derived from red meat and poultry?

- ☐ carbohydrates
- ☐ minerals
- ☐ ash
- ☐ protein

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182 PU_2015_389

The food pyramid indicates that the group is the where you should obtain the most servings each day:-

- ☐ Bread
- ☐ Fruit
- ☐ Milk
- ☐ Vegetable

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101 PU_2015_389

The major source of NH_3 produced by the kidney is:-

- ☐ Alanine
- ☐ Leucine
- ☐ Glutamine
- ☐ Glycine

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104 PU_2015_389

L-glutamic acid is subjected to oxidative deamination by:-

- ☐ L-glutamate dehydrogenase
- ☐ Glutaminase
- ☐ L-amino acid dehydrogenase
- ☐ Glutamine synthetase

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Essential fatty acids serves as a precursors of:-

- ☐ Retinol
- ☐ Niacin
- ☐ Vitamin C
- ☐ Prostaglandin

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221 PU_2015_389

When water is used as an ingredient in food formulations, it must be:-

- ☐ hard water
- ☐ soft water
- ☐ potable water
- ☐ purified water

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243 PU_2015_389

Ergotism is due to:-

- ☐ Polypeptides
- ☐ Alkaloids
- ☐ Phenolic compounds
- ☐ None of the above

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248 PU_2015_389

Father of canning is:-

- ☐ Peter Durand
- ☐ Alexander Fleming
- ☐ Nicholas Appert
- ☐ Louis Pasteur

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251 PU_2015_389

The effectiveness of many chemical preservative depends primarily on the food:-

- ☐ acidity
- ☐ water content
- ☐ pH
- ☐ temperature

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225 PU_2015_389

Which lipid is Saponifiable?

- ☐ a) Simple
- ☐ b) Complex
- ☐ c) Both a & b
- ☐ d) None

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228 PU_2015_389

With the increase in temperature the rate of browning reaction?

- ☐ Remain constant
- ☐ First decreases and then increases followed by a constant phase
- ☐ Decreases
- ☐ Increases

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244 PU_2015_389

Citreoviridin is the mycotoxin produced by:-

- ☐ *Mushroom*
- ☐ *Penicillium*
- ☐ *Fusarium*
- ☐ *Aspergillus*

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Ghee is adulterated with:-

- ☐ Protein
- ☐ Starch
- ☐ Lipid
- ☐ Vanaspati

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252 PU_2015_389

E.coli O157:H7 is thought to have acquired enterohemorrhagic genes from:-

- ☐ *Shigella*
- ☐ *Clostridium*
- ☐ *Bacillus*
- ☐ *Campylobacter*

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223 PU_2015_389

Which one of the following uses mold to derive the final product?

- ☐ whole milk
- ☐ soysauce
- ☐ pickles
- ☐ yogurt

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242 PU_2015_389

Which one is a constituent of coenzyme?

- ☐ Ascorbic acid
- ☐ Sucrase
- ☐ B₂
- ☐ Lipase

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227 PU_2015_389

Iodine value measures:-

- ☐ Amount of carbon present
- ☐ Degree of saturation
- ☐ Number of iodine present
- ☐ Degree of unsaturation

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247 PU_2015_389

Kojic acid is:-

- ☐ An acidulant used in food processing
- ☐ An acid produced during carbohydrate metabolism
- ☐ A mycotoxin
- ☐ None of the above

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253 PU_2015_389

The chief spoilage organisms on smoked fish are:-

- ☐ a) Molds
- ☐ b) Bacteria
- ☐ c) both (a) and (b)
- ☐ d) Fungi

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241 PU_2015_389

Paper chromatography is based on:-

- ☐ Size exclusion chromatography
- ☐ Adsorption chromatography
- ☐ Partition chromatography
- ☐ Ion-exchange chromatography

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245 PU_2015_389

Aflatoxin G1 is :-

- ☐ Nephrotoxin
- ☐ Carditoxin
- ☐ Neurotoxin
- ☐ All of the above

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224 PU_2015_389

Which of the following would be a requirement or function of a commercial food container?

- ☐ gas and odor protection
- ☐ resistance to impact
- ☐ degradable
- ☐ sanitary protection

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222 PU_2015_389

_____ means that the product contains bacteria that can make more of the product:-

- ☐ active ingredients
- ☐ active culture
- ☐ active byproducts
- ☐ live bacteria

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249 PU_2015_389

Which of the following acts as a bacteriostatic?

- ☐ Cumic acid
- ☐ Elaidic acid
- ☐ Cinnamic acid
- ☐ All of the above

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299 PU_2015_389

_____ is a fructosan.

- ☐ Glycogen
- ☐ Insulin
- ☐ Cellulose
- ☐ Agar

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277 PU_2015_389

Which of the following statements is incorrect regarding transport proteins?

- ☐ They are required to transport amino acids across cell membranes
- ☐ They are required to transport hydrophobic steroids across cell membranes
- ☐ They are present in cell membranes
- ☐ They serve to carry polar molecules across the hydrophobic cell membrane

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274 PU_2015_389

The chief type of spoilage in sweetened condensed milk may be:-

- ☐ gas formation by sucrose fermenting yeasts
- ☐ thickening caused by micrococci
- ☐ mold colonies growing on the surface
- ☐ all of the above

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271 PU_2015_389

Salmonellosis is caused by the:-

- ☐ neurotoxin of *Salmonella* spp
- ☐ exoenterotoxin of *Salmonella* spp
- ☐ endotoxin of *Salmonella* spp
- ☐ enterotoxin of *Salmonella* spp

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291 PU_2015_389

Why cannot fatty acids be converted into glucose in starvation?

- ☐ Fatty acids are oxidised in mitochondria and glucose is synthesised in the cytosol
- ☐ Acetyl CoA cannot be converted into pyruvate
- ☐ Fatty acids are esterified to triacylglycerols
- ☐ Fatty acids are transported on albumin which interferes with their metabolism

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296 PU_2015_389

Which is an important function of cholesterol in cell membranes?

- ☐ It acts as a fluidity barrier in bacterial membranes
- ☐ It stabilises the structure of mammalian membranes
- ☐ It allows polar substances to pass through the membrane
- ☐ It increases the fluidity of the membrane at 37° C

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273 PU_2015_389

Prontosil is:-

- ☐ not used as an antibacterial agent
- ☐ an effective antibacterial when used in in-vitro cultures
- ☐ an effective antibacterial both in animals as well as in in-vitro cultures
- ☐ an effective antibacterial when used in animals

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263 PU_2015_389

The first transgenic plant to be produced:-

- ☐ Rice
- ☐ Tobacco
- ☐ Maize
- ☐ Cotton

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276 PU_2015_389

Histidine is degraded to α -ketoglutarate and is described as a:-

- ☐ Ketogenic amino acid
- ☐ Gluco amino acid
- ☐ Glucogenic amino acid
- ☐ Keto-gluco acid

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264 PU_2015_389

The first crop plant genome sequenced:-

- ☐ Tobacco
- ☐ Rice
- ☐ Maize
- ☐ Cotton

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293 PU_2015_389

Which of the following cell types or systems is not part of an innate immune response to a pathogen?

- ☐ The inflammatory response
- ☐ Cytotoxic T-lymphocytes
- ☐ Phagocytes
- ☐ Natural killer cells

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297 PU_2015_389

Which of the following statements about SDS polyacrylamide gel electrophoresis is correct?

- ☐ SDS polyacrylamide gel electrophoresis separates proteins on the basis of size.
- ☐ SDS polyacrylamide gel electrophoresis separates proteins on the basis of charge.
- ☐ Wanted proteins can be tested for their biological activity after separation by SDS polyacrylamide gel electrophoresis.
- ☐ Proteins are solubilized but not denatured when separated by SDS polyacrylamide gel electrophoresis.

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262 PU_2015_389

The best source of salt tolerant gene:-

- ☐ Sea anemones
- ☐ Mangroves
- ☐ Mussels
- ☐ Fishes

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261 PU_2015_389

Syntrophism is a type of:-

- ☐ Mutalism
- ☐ Commensalism
- ☐ Parasitism
- ☐ Synergism

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278 PU_2015_389

Which of the following statements best describes an allosteric binding site?

- ☐ It is a description of an active site which has undergone an induced fit
- ☐ It is a binding site containing amino acids with aliphatic side chains
- ☐ It is a binding site, which is separate from the active site, and affects the activity of an enzyme when it is occupied by a ligand
- ☐ It is a binding site that can accept a wide variety of differently shaped molecules

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294 PU_2015_389

Where do precursor T-lymphocytes develop into fully competent but not yet activated T-cells?

- ☐ The bone marrow
- ☐ The spleen
- ☐ The lymph nodes
- ☐ The thymus gland

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275 PU_2015_389

In a normal healthy individual with a total lung capacity of 6 litres:-

- ☐ The functional residual capacity would be about 2 litres
- ☐ The FE_{V1} would be equivalent to about 1.5 litres
- ☐ The tidal volume at rest is about 1 litre
- ☐ The expiratory reserve volume at rest would be about 2 litres

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292 PU_2015_389

Which of the following statements about Nicotinamide Adenine Dinucleotide (NAD^+) is correct?

- ☐ NAD^+ is a prosthetic group for several dehydrogenases.
- ☐ NAD^+ is the initial electron donor in many metabolic oxidation reactions.
- ☐ NAD^+ is the initial electron acceptor in many metabolic oxidation reactions
- ☐ $NADH$ is the initial electron acceptor in many metabolic oxidation reactions.

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_____ is a structural homopolysaccharide.

- ☐ Starch
- ☐ Chitin
- ☐ Hyaluronic acid

☐ Inulin

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272 PU_2015_389

Esters like flavors in butter are resulted from the action of:-

☐ *Aeromonashydrophila*

☐ *P. mephitica*

☐ *Pseudomonas synxantha*

☐ *P. fragi*

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Which of the following is an alpha lactone?

- ☐ Vit.D
- ☐ Vit.A
- ☐ Vit. K
- ☐ Vit. C

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110 PU_2016_389_E

Gliadin is soluble in:-

- ☐ Alcohol
- ☐ Sugar
- ☐ Dilute acid and alkali
- ☐ Salt

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191 PU_2016_389_E

Which of the following is a keto triose?

- ☐ Erythrose
- ☐ Ribulose
- ☐ Glyceraldehyde
- ☐ Dihydroxyacetone

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152 PU_2016_389_E

Which of the following is not an essential amino acid?

- ☐ Histidine
- ☐ Methionine
- ☐ Leucine
- ☐ Proline

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139 PU_2016_389_E

Saponification number is the number of milligrams of KOH required to saponify 1 g fat. Which of the following statement is true about saponification number?

- ☐ The shorter is the chain length of fatty acids the higher is the saponification number
- ☐ The shorter is the chain length of fatty acids, the lower will be the saponification number
- ☐ The lower is the saturation of fatty acid, the higher will be saponification number

- ☐ The higher the chain saturation of fatty acid, the lower will be saponification number

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132 PU_2016_389_E

Polenske value of fatty acid indicates _____.

- ☐ Level of saturation in the fatty acid
- ☐ Indication of branching of fatty acid in the fat
- ☐ How much volatile fatty acid can be extracted through saponification
- ☐ How much unsaturation is there in the fatty acid

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174 PU_2016_389_E

SO₂ content in pure KMS is:-

- ☐ 25.5%
- ☐ 75.5%
- ☐ 57.7%
- ☐ 78.2%

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A keto pentose will have _____ stereoisomers.

- ☐ 8
- ☐ 4
- ☐ 6
- ☐ 10

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214 PU_2016_389_E

Which of the following is non-climacteric fruit?

- ☐ Grape
- ☐ Mango
- ☐ Banana
- ☐ Apple

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149 PU_2016_389_E

Among the 20 standard proteins coding amino acids, which one is least occurs in proteins?

- ☐ Glycine
- ☐ Alanine
- ☐ Methionine

- ☐ Tryptophan

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133 PU_2016_389_E

For distant marketing, tomato fruits are harvested at:-

- ☐ Turning stage
- ☐ Red ripe stage
- ☐ Immature green stage
- ☐ Mature green stage

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190 PU_2016_389_E

Maltose is a disaccharide of _____.

- ☐ Fructose and lactose
- ☐ Glucose and glucose
- ☐ Glucose and galactose
- ☐ Glucose and lactose

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116 PU_2016_389_E

If a product is said to be "Sugar Free" it contains how much sugar?

- ☐ Less than 0.5 grams of sugar per serving
- ☐ Less than 10.0 grams
- ☐ None
- ☐ Not more than 40 kcal per serving

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136 PU_2016_389_E

Goat and sheep milk contains _____% MF and _____% MSNF.

- ☐ 3.5-4.0, 8.5
- ☐ 3.0-3.5, 9.0
- ☐ 4.5, 8.5
- ☐ 5.0-6.0, 9.0

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158 PU_2016_389_E

Which of the following is an example for a bio-plastic?

- ☐ Poly-L-lysine
- ☐ Polyglutamate
- ☐ Polyaspartate

- ☐ All of the above

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170 PU_2016_389_E

Carnosine is a dipeptide of histidine and _____.

- ☐ β -alanine
- ☐ α -lysine
- ☐ β -histidine
- ☐ β -lysine

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113 PU_2016_389_E

Which of the following is a rapid precooling method:-

- ☐ Vacuum Cooling
- ☐ Hydro Cooling
- ☐ Evaporative Cooling
- ☐ Forced air Cooling

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192 PU_2016_389_E

Moisture content in dried vegetable is:-

- ☐ 6%
- ☐ 5%
- ☐ 2%
- ☐ 3%

19 of 100

178 PU_2016_389_E

Storage temperature for Asparagus is:-

- ☐ 0 - 5°C
- ☐ 5 - 7°C
- ☐ 10 - 15°C
- ☐ 7 - 11°C

20 of 100

117 PU_2016_389_E

Which chemical is used for controlling sprouting of onions in storage?

- ☐ Ethylene (C_2H_4)
- ☐ Ascorbic acid
- ☐ Maleic Hydrazide (MH)

- ☐ Gallic acid

21 of 100

153 PU_2016_389_E

The Limiting Amino acid in green vegetables is:-

- ☐ Methionine
☐ Arginine
☐ Tryptophan
☐ Lysine

22 of 100

114 PU_2016_389_E

Greater the number of carbon atom in chain of fatty acid _____.

- ☐ The melting point will be lower
☐ The boiling point will be lesser
☐ The boiling point will be higher
☐ The melting point will be higher

23 of 100

179 PU_2016_389_E

Minimum number of carbon required for a ketose sugar to have cyclic structure is:-

- ☐ 4
☐ 3
☐ 5
☐ 6

24 of 100

118 PU_2016_389_E

Carnauba wax is an example for _____.

- ☐ Soft wax
☐ Liquid wax
☐ Hard wax
☐ Archaeobacterial wax

25 of 100

157 PU_2016_389_E

Histones are rich in _____.

- ☐ Lysine
☐ Histidine
☐ Arginine

- ☐ Lysine and Arginine

26 of 100

173 PU_2016_389_E

Which of the following amino acid is sweet in taste?

- ☐ Alanine
- ☐ Glycine
- ☐ Glutamic acid
- ☐ None of the above

27 of 100

134 PU_2016_389_E

Which of the following statement is true?

- ☐ Oxidative rancidity is observed more frequently in vegetable fats than animal fats
- ☐ Plants fats do not undergo oxidative rancidity
- ☐ Oxidative rancidity is observed more frequently in animal fats than vegetable fats
- ☐ Oxidative rancidity can be effectively checked by dehydrogenation of fatty acids

28 of 100

197 PU_2016_389_E

Storage of fruits and vegetables, where the gas composition is changed from that of normal atmosphere and a precise control is maintained over the atmospheric composition during storage period is known as:-

- ☐ Cold storage
- ☐ Hypobaric storage
- ☐ Controlled Atmospheric (CA) storage
- ☐ Modified Atmospheric (MA) storage

29 of 100

177 PU_2016_389_E

Lectins are_____.

- ☐ Enzymes specific to carbohydrates
- ☐ Carbohydrates specific to enzymes
- ☐ Proteins specific to sugars
- ☐ Sugars specific to proteins

30 of 100

196 PU_2016_389_E

A sweetener used in sugar less gums and candies:-

- ☐ Ribitol
- ☐ Xylitol

- ☐ Inositol
- ☐ Mannitol

31 of 100

210 PU_2016_389_E

Toddy from coconut is prepared by:-

- ☐ Bacteria
- ☐ Fungi
- ☐ Yeast
- ☐ Fermentation

32 of 100

199 PU_2016_389_E

Vitamin which is not found in Fruits and Vegetables is:-

- ☐ Vitamin A
- ☐ Vitamin B₁₂
- ☐ Vitamin B₆
- ☐ Vitamin B₁

33 of 100

213 PU_2016_389_E

Fungus which mostly grown on grapes:-

- ☐ *Colletotrichum*
- ☐ *Penicillium*
- ☐ *Botrytis*
- ☐ *Geotrichum*

34 of 100

216 PU_2016_389_E

Ghee is adulterated with:-

- ☐ Oil
- ☐ Artificial fat
- ☐ Vanaspathi
- ☐ Rancid fat

35 of 100

112 PU_2016_389_E

Cauliflower curds can be stored for a month at:-

- ☐ 15°C with 60-80% RH
- ☐ 20°C with 50-70% RH

- ☐ 0°C with 85-90% RH
- ☐ 15°C with 60-65% RH

36 of 100

131 PU_2016_389_E

Number of milligrams of KOH required to neutralize fatty acid present in 1 g of fat is called:-

- ☐ Saponification number
- ☐ Acid number
- ☐ Potassium number
- ☐ Iodine number

37 of 100

195 PU_2016_389_E

Bitterness in peach is due to:-

- ☐ Sugar
- ☐ Prunasin acid
- ☐ Malic acid
- ☐ Hydrocyanin

38 of 100

135 PU_2016_389_E

Specific gravity of lipid is _____.

- ☐ 1.0
- ☐ 0.8
- ☐ 0.2
- ☐ 1.5

39 of 100

115 PU_2016_389_E

Nature of Gliadin is:-

- ☐ Extensive
- ☐ Elastic
- ☐ Tough
- ☐ Viscous

40 of 100

130 PU_2016_389_E

For curing, sweet potato are kept for 10 days at:-

- ☐ 40°C and 70% RH
- ☐ 80°C and 30% RH

- ☐ 30°C and 80% RH
- ☐ 25°C and 85% RH

41 of 100

111a PU_2016_389_E

Among the following, which is best maturity index for Grape?

- ☐ Colour
- ☐ Size
- ☐ TSS
- ☐ Shape

42 of 100

172 PU_2016_389_E

Concentration of SO_2 in concentrated juice is:-

- ☐ 1500 ppm
- ☐ 500 ppm
- ☐ 350 ppm
- ☐ 1000 ppm

43 of 100

151 PU_2016_389_E

What is the molecular weight of Glycine?

- ☐ 95 gmol/L
- ☐ 75 gmol/L
- ☐ 90 gmol/L
- ☐ 80 gmol/L

44 of 100

129 PU_2016_389_E

Generally fats with unsaturated fatty acids are _____ at room temperature (25°C)

- ☐ Solid
- ☐ Liquid in the presence of oxygen
- ☐ Liquid in the absence of oxygen
- ☐ Liquid

45 of 100

176 PU_2016_389_E

Enzyme responsible for converting pectin into pectic acid is:-

- ☐ Poly Galacturonase
- ☐ Pectinase

- ☐ Proto-peclinase
- ☐ Pectic Methyl Esterase (PME)

46 of 100

217 PU_2016_389_E

The reserve food material of green algae is:-

- ☐ Floridian starch
- ☐ Laminarin
- ☐ Starch
- ☐ Chrysolaminarin

47 of 100

194 PU_2016_389_E

Bitterness in Citrus juice is due to:-

- ☐ Glucosides
- ☐ Sugar
- ☐ Vitamins
- ☐ Acid

48 of 100

137 PU_2016_389_E

Which refrigerant is commonly used in cold storage in our country?

- ☐ Ethylene
- ☐ Carbide
- ☐ Ammonia
- ☐ Sodium Benzoate

49 of 100

193 PU_2016_389_E

The glycosidic linkage between two glucose molecules in isomaltose is:-

- ☐ α 1 - 4
- ☐ α 1 - 6
- ☐ β 1 - 4
- ☐ β 1 - 4

50 of 100

211 PU_2016_389_E

Mostly dry fruit are rich in:-

- ☐ Protein
- ☐ Carbohydrates

- ☐ Vitamins
- ☐ Fats

51 of 100

175 PU_2016_389_E

Minimum number of carbon required for a monosaccharide:-

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

52 of 100

138 PU_2016_389_E

For Low Sugar content, potato tubers are stored at:-

- ☐ 20°C
- ☐ 5°C
- ☐ 15°C
- ☐ 10°C

53 of 100

156 PU_2016_389_E

Gluten is viscous and elastic in nature and is combination of:-

- ☐ Albumin and Globulin
- ☐ Globulin and gliadin
- ☐ Glutenin and starch
- ☐ Gliadin and glutenin

54 of 100

171 PU_2016_389_E

Mango fruits can be best stored at a temperature of:-

- ☐ -4°C
- ☐ 16°C
- ☐ 8°C
- ☐ 0°C

55 of 100

212 PU_2016_389_E

Formation of abscission layer is maturity index of:-

- ☐ Leafy vegetables
- ☐ Melons

- ☐ Tomato
- ☐ Onion

56 of 100

159 PU_2016_389_E

Spinach is rich in:-

- ☐ Vitamin B
- ☐ Vitamin A
- ☐ Vitamin E
- ☐ Vitamin C

57 of 100

150 PU_2016_389_E

Double toned milk contains _____% MF and _____% MSNF.

- ☐ 3.5, 8.5
- ☐ 3.0, 8.5
- ☐ 1.5, 9.0
- ☐ 4.5, 8.5

58 of 100

154 PU_2016_389_E

Single letter code of pyrrolysine is _____.

- ☐ J
- ☐ U
- ☐ B
- ☐ O

59 of 100

111 PU_2016_389_E

Aminolevulinic acid, the first product in porphyrin biosynthesis in eukaryotes, is synthesized from _____ and succinyl-CoA.

- ☐ Tryptophan
- ☐ Glycine
- ☐ Methionine
- ☐ Valine

60 of 100

155 PU_2016_389_E

Recombined milk contains _____% MF and _____% MSNF.

- ☐ 5.0, 9.0

- ☐ 4.5, 8.5
- ☐ 3.5, 8.5
- ☐ 3.0, 9.0

61 of 100

226 PU_2016_389_M

Hen and Chicken disorder is associated with:-

- ☐ Tomato
- ☐ Guava
- ☐ Mango
- ☐ Grapes

62 of 100

245 PU_2016_389_M

Glutenin forms _____ disulfide bond.

- ☐ Both above
- ☐ Intermolecular
- ☐ Intramolecular
- ☐ None of the above

63 of 100

249 PU_2016_389_M

Which of these is not a Non-Random type of sampling?

- ☐ Haphazard sampling
- ☐ Restricted sampling
- ☐ Judgment sampling
- ☐ Systematic sampling

64 of 100

222 PU_2016_389_M

Which of the following is an aldotriose?

- ☐ Ribulose
- ☐ Dihydroxyacetone
- ☐ Erythrose
- ☐ Glyceraldehyde

65 of 100

227 PU_2016_389_M

Saffron is adulterated with:-

- ☐ Maize fibres dried

- ☐ Cassia bark
- ☐ Marigold dried flower
- ☐ Wheat fibres dried

66 of 100

221 PU_2016_389_M

Maximum density of water is at a temperature of:-

- ☐ 4°C
- ☐ 0°C
- ☐ -7°C
- ☐ 46°C

67 of 100

243 PU_2016_389_M

Organoleptic estimation is a:-

- ☐ Microscopic method
- ☐ Objective method
- ☐ Subjective method
- ☐ Chemical method

68 of 100

241 PU_2016_389_M

Common salt is adulterated with:-

- ☐ White dried leaves
- ☐ Talcum powder
- ☐ White powdered stone or chalk
- ☐ Cassia bark

69 of 100

229 PU_2016_389_M

Cow milk contains ____% MF and ____% MSNF.

- ☐ 3.5-4.0, 8.5
- ☐ 5.0-6.0, 9.0
- ☐ 3.0-3.5, 9.0
- ☐ 4.5, 8.5

70 of 100

220 PU_2016_389_M

The glycosidic linkage between glucose molecule in maltose is:-

- ☐ β 1 - 2

- ☐ α 1 - 4
- ☐ β 1 - 4
- ☐ α 1 - 2

71 of 100

246 PU_2016_389_M

Glutenin is soluble in:-

- ☐ Sugar
- ☐ Dilute acid and alkali
- ☐ Alcohol
- ☐ Salt

72 of 100

242 PU_2016_389_M

In cucumber, chilling- injury symptoms are occurred at:-

- ☐ $>10^{\circ}\text{C}$
- ☐ 7°C
- ☐ 10°C
- ☐ $<7^{\circ}\text{C}$

73 of 100

225 PU_2016_389_M

Redcolour of tomato is due to:-

- ☐ Carotene
- ☐ Anthocyanin
- ☐ Xanthophyll
- ☐ Lycopene

74 of 100

228 PU_2016_389_M

A Point which have 5% Low RH than the Critical Point is:-

- ☐ Safety Point
- ☐ Danger Point
- ☐ Critical Point
- ☐ Saturated Point

75 of 100

240 PU_2016_389_M

As fruits mature, the specific gravity will:-

- ☐ Remains constant

- ☐ Increase
- ☐ Decrease
- ☐ None of the above

76 of 100

248 PU_2016_389_M

Glutenin generally contains _____ numbers disulfide bond.

- ☐ No
- ☐ Odd
- ☐ Even
- ☐ Less

77 of 100

247 PU_2016_389_M

Which of the bacteria can grow in alkaline pH?

- ☐ *Staphylococcus*
- ☐ *Vibrio cholera*
- ☐ *Salmonella*
- ☐ *Lactobacilli*

78 of 100

223 PU_2016_389_M

Guava fruit is botanically known as:-

- ☐ Sorosis
- ☐ Berry
- ☐ Drupe
- ☐ Pome

79 of 100

224 PU_2016_389_M

The general chemical formula of carbohydrate is:-

- ☐ $(CH_2O)_n$
- ☐ $C_nH_{2n}O$
- ☐ $(CH_2O)_{2n}$
- ☐ $(CHO)_n$

80 of 100

244 PU_2016_389_M

Which of these is not a Random type of sampling?

- ☐ Quota sampling

- ☐ Composite sampling
- ☐ Cluster sampling
- ☐ Simple random sampling

81 of 100

281 PU_2016_389_D

The enzymes enterokinase helps in the conversion of:-

- ☐ Trypsinogen into trypsin
- ☐ Proteins into polypeptides
- ☐ Caseinogens into casein
- ☐ Pepsinogen into pepsin

82 of 100

268 PU_2016_389_D

Both cysteine and methionine are chiral L-amino acids that incorporate a single sulfur. The C-2 configuration is S in methionine, but R in cysteine. Why?

- ☐ The sulfur atom in cysteine is remote from C-2 and does not influence the sequence rule
- ☐ Biosynthesis of cysteine proceeds by inversion at C-2.
- ☐ The sulfur in cysteine prevents zwitterion formation
- ☐ The sulfur atom in methionine is remote from C-2 and does not influence the sequence rule.

83 of 100

284 PU_2016_389_D

Rich sources of Vitamin B are:-

- ☐ Egg yolk
- ☐ Fresh liver oils
- ☐ Green leafy vegetables
- ☐ Liver

84 of 100

280 PU_2016_389_D

Which factor is responsible for inhibition enzymatic process during feed back?

- ☐ Enzymes
- ☐ End product
- ☐ Temperature
- ☐ Substrate

85 of 100

289 PU_2016_389_D

Which of the following best describes the polysaccharide amylose?

- ☐ α 1,4-O- α -linked poly-D-glucose
- ☐ An alternating 1,4-O- α/β -linked poly-D-glucose
- ☐ α 1,4-O- α -linked poly-D-mannose
- ☐ α 1,4-O- β -linked poly-D-glucose

86 of 100

286 PU_2016_389_D

Essential constituent of protoplasm is:-

- ☐ Tonoplast
- ☐ Water
- ☐ Centrioles
- ☐ Vacuoles

87 of 100

283 PU_2016_389_D

Desmosine is an unusual amino acids found in:-

- ☐ Troponin
- ☐ Elastin
- ☐ Myosin
- ☐ Actin

88 of 100

288 PU_2016_389_D

Vitamin A is not found in:-

- ☐ Citrus fruits
- ☐ Green leafy vegetables
- ☐ Fresh liver oils
- ☐ Egg yolk

89 of 100

264 PU_2016_389_D

SMBT:-

- ☐ Simultaneous Moving Bed Technology
- ☐ Simulated Moving Bed Technology
- ☐ Simultaneous Moving Bead Technology
- ☐ Simulated Moving Bead Technology

90 of 100

285 PU_2016_389_D

Lack of vitamin B may result in:-

- ☐ Poor cellular respiration
- ☐ Poor eye sight
- ☐ Dull skin
- ☐ Tooth decay

91 of 100

282 PU_2016_389_D

The formation of cystine occurs at:-

- ☐ Endoplasmic Reticulum
- ☐ Cytosol
- ☐ Mitochondria
- ☐ Golgi apparatus

92 of 100

265 PU_2016_389_D

Which is not a factor of butanol?

- ☐ Completely soluble in water
- ☐ It is C₄ solvent
- ☐ Partially soluble in water
- ☐ Used as solvent in TPP process

93 of 100

287 PU_2016_389_D

Light-sensitive pigment in retina is created by:-

- ☐ Vitamin D
- ☐ Vitamin B complex
- ☐ Vitamin E
- ☐ Vitamin A

94 of 100

269 PU_2016_389_D

How many nucleotides are needed to code for a specific amino acid?

- ☐ Three
- ☐ Four
- ☐ Two
- ☐ One

95 of 100

261 PU_2016_389_D

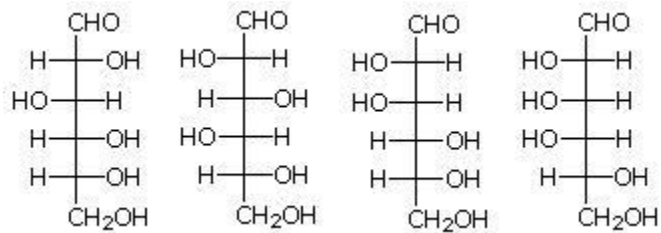
Which of the following best describes the polysaccharide cellulose?

- ☐ α 1,4-O- β -linked poly-D-glucose
- ☐ α 1,4-O- α -linked poly-D-glucose
- ☐ α 1,4-O- β -linked poly-D-galactose
- ☐ α 1,4-O- α -linked poly-D-galactose

96 of 100

260 PU_2016_389_D

Which two of the following aldohexoses give the same osazone derivative?



- ☐ 1 & 3
- ☐ 3 & 4
- ☐ 1 & 4
- ☐ 2 & 3

97 of 100

263 PU_2016_389_D

Which is not a function of sodium dodecyl sulfate in SDS-PAGE?

- ☐ Disturb the complex structure of protein
- ☐ Negative charge within wide range pH
- ☐ Cationic detergent
- ☐ Anionic detergent

98 of 100

267 PU_2016_389_D

Which of the following methods selectively cleaves a peptide at methionine residues?

- ☐ Cyanogen bromide
- ☐ Chymotrypsin digestion
- ☐ Trypsin digestion
- ☐ Edman degradation

99 of 100

262 PU_2016_389_D

If two isomers have been classified correctly as anomers, they may also be called:-

- ☐ Tautomers

- ☐ Diastereomers
- ☐ Enantiomers
- ☐ Conformers

100 of 100

266 PU_2016_389_D

Which of the following statements is incorrect with respect to an enzyme's ability to catalyse a reaction?

- ☐ An enzyme provides a reaction surface and a hydrophilic environment for the reaction to take place
- ☐ An enzyme allows the reaction to go through a more stable transition state than would normally be the case
- ☐ An enzyme binds reactants such that they are positioned correctly and can attain their transition-state configurations
- ☐ An enzyme can weaken bonds in reactants through the binding process

Sr No.	MSc Food science and Nutrition
1	Find the missing term in the series: 3, 20, 63, 144, 275,?
Alt1	354
Alt2	468
Alt3	548
Alt4	554

2	Choose word from the given options which bears the same relationship to the third word, as the first two bears: Anaemia: Blood :: Anarchy:?
Alt1	Lawlessness
Alt2	Government
Alt3	Monarchy
Alt4	Disorder

3	Teeth is related to Grit in the same way as Fist is related to.....?.....
Alt1	Blow
Alt2	Hand
Alt3	Open
Alt4	Clench

4	Select the lettered pair that has the same relationship as the original pair of words: Reproof: Scold
Alt1	Respite: Spite
Alt2	Romantic: Strong
Alt3	Salient: Prominent
Alt4	Chastise: Erring

5	Choose the alternative, which is similar to the given words: Bleat : Bray : Grunt
Alt1	Bark
Alt2	Croak
Alt3	Cry
Alt4	Scream

6	Spot the defective segment from the following:
Alt1	I wish
Alt2	I have a car
Alt3	to go shopping
Alt4	in the rain

7	Choose the meaning of the idiom/phrase from among the options given: Out of sorts
Alt1	unwell
Alt2	irrelevant
Alt3	in disorder
Alt4	out of love

8	The rowdy was at last done -----.
Alt1	over
Alt2	off
Alt3	away
Alt4	away with

9	Choose the option closest in meaning to the given word: BUCOLIC
Alt1	rustic
Alt2	utopian
Alt3	peaceful
Alt4	noisy

10	Choose the antonymous option you consider the best: CALLOW
Alt1	immature
Alt2	green
Alt3	clumsy
Alt4	veteran

11	If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month ?
Alt1	Sunday
Alt2	Monday
Alt3	Wednesday
Alt4	Friday

12	Water is related to Ocean in the same way as Snow is related to
Alt1	Peaks
Alt2	Hail
Alt3	Glacier
Alt4	Mountain

13	A's father's brother's father is D. how is D related to A ?
Alt1	Father
Alt2	Grandfather
Alt3	Uncle
Alt4	Son

14	Find the odd man out:
Alt1	Squash
Alt2	football
Alt3	hockey
Alt4	Cricket

15	In a certain code language, if CRICKET is coded as 3923564, ROCKET is coded as 913564 and KETTLE is coded as 564406, then how is LITTLE coded in that language ?
Alt1	024406
Alt2	240406
Alt3	20446
Alt4	200446

16	At what angles are the hands of a clock inclined at 20 minutes past 7 ?
Alt1	80 degrees
Alt2	90 degrees
Alt3	100 degrees
Alt4	120 degrees

17	Odd one out: 2,4,6,8
Alt1	2
Alt2	4
Alt3	6
Alt4	8

18	Which is smallest:
Alt1	Quarter of 140
Alt2	Double of 4×4
Alt3	7×5
Alt4	Half of 72

19	What is the next alphabet in the following series Z D X H V L T ?
Alt1	Q
Alt2	N
Alt3	P
Alt4	O

20	How many times is the abbreviation FB shorter than the word FACEBOOK?
Alt1	4times
Alt2	3times
Alt3	5times
Alt4	Many

21	Breast milk enhances the growth of the bacterium
Alt1	Escherichia coli
Alt2	Clostridium botulinum
Alt3	Lactobacillus brevis
Alt4	Lactobacillus bifidus.

22	Clarification of fruit juices is done by the use of
Alt1	Pectinases
Alt2	Proteases

Alt3	Glucosidaes
Alt4	Amylase

23	Maillard reaction takes place between
Alt1	Sugars and proteins
Alt2	Sugars and fat
Alt3	Sugars and sugars
Alt4	Sugars and vitamins

24	Microbial biomass which is produced for human/ animal consumption is
Alt1	SCP
Alt2	Vitamin
Alt3	Growth factors
Alt4	Inducer

25	Hypogeusia is a symptom associated with
Alt1	Zinc deficiency
Alt2	Iron deficiency
Alt3	Iodine deficiency
Alt4	Selenium deficiency

26	Cholelithiasis is a disease of
Alt1	Liver
Alt2	Gall bladder
Alt3	Pancreas
Alt4	Spleen

27	Salmonella infection leads to
Alt1	Gastroenteritis
Alt2	Fever
Alt3	Skin infection
Alt4	Paralysis

28	Trypsin inhibitors interfere with the digestion of
Alt1	Carbohydrates
Alt2	Proteins
Alt3	Fats
Alt4	Cholesterol

29	The mycotoxin in ground nut is
Alt1	Aflatoxin
Alt2	Patulin
Alt3	Sanguinarine
Alt4	Glycosides

30	Consumption of khesari dhal leads to
Alt1	Botulism

Alt2	Lathyrism
Alt3	Allergy
Alt4	Salmonellosis

31	Golden rice is fortified with
Alt1	Lycopene
Alt2	Retinol
Alt3	b-carotene
Alt4	Oryzanol

32	Ketonic rancidity is due to the action of
Alt1	Amylase
Alt2	Lipase
Alt3	Ketones
Alt4	Acrolein

33	The mineral which is an essential constituent of glutathione dismutase is
Alt1	Manganese
Alt2	Cobalt
Alt3	Selenium
Alt4	Copper

34	The process of child birth is called
Alt1	Menarche
Alt2	Vitiligo
Alt3	Vertigo
Alt4	Parturition

35	An agent which causes physical defects in the developing embryo is called
Alt1	Terratogen
Alt2	Oxytocin
Alt3	Adrenalin
Alt4	Epinephrine

36	The serum protein essential for the regulation of osmotic pressure and fluid balance is
Alt1	Albumin
Alt2	Globulin
Alt3	Nucleoprotein
Alt4	Lipoprotein

37	Fat is complexed with bile salts to form
Alt1	Triglycerides
Alt2	Glycerol
Alt3	Cholesterol esters
Alt4	Micelles

38	The storage form of iron is
----	-----------------------------

Alt1	Haem iron
Alt2	Non haem iron
Alt3	Ferritin
Alt4	Transferrin

39	The fever inducing hormone is
Alt1	Pyrogen
Alt2	Oxytocin
Alt3	Thyroxine
Alt4	Lutinizing hormone

40	Broca's index is useful in the diagnosis of
Alt1	Diabetes mellitus
Alt2	Renal failure
Alt3	Obesity
Alt4	Blood pressure

41	Lack of synthesis of melanin pigment is associated with the condition
Alt1	Phenylketonuria
Alt2	Maple syrup urine disease
Alt3	Alkaptonuria
Alt4	Galactosemia

42	In the diet, folates exist in the form of
Alt1	Folic acid
Alt2	Folinic acid
Alt3	Polyglutamates
Alt4	Tetrahydrofolates

43	Immediate response to allergy is mediated by
Alt1	IgA
Alt2	IgD
Alt3	IgE
Alt4	IgG

44	Probiotics and prebiotics are collective known as
Alt1	Symbiotics
Alt2	Synbiotics
Alt3	Microbiome
Alt4	Microflora

45	A food additive made from sugary materials by fermentation is
Alt1	Alcohol
Alt2	Vinegar
Alt3	Formic acid
Alt4	Butanol

46	Riboflavin can be produced by using
Alt1	Saccharomyces cerevisiae
Alt2	Saccharomyces ellipsoides
Alt3	Trichoderma viride
Alt4	Clostridium sp

47	Alcoholic fermentation was discovered by
Alt1	Waksman
Alt2	Louis Pasture
Alt3	Anton Van Leeuwenhoek
Alt4	Alexander Flemming

48	Zymology is the science of
Alt1	Animals
Alt2	Plants
Alt3	Microorganism
Alt4	Fermentation

49	The part of the brain involved in the regulation of body temperature is
Alt1	Cerebrum
Alt2	Cerebellum
Alt3	Medulla oblongata
Alt4	Hypothalamus

50	Erythropoetin is secreted by the
Alt1	Liver
Alt2	Kidney
Alt3	Heart
Alt4	Lungs

51	The qualitative threshold or cut-off values by which the nutritional status of the population can be assessed are called
Alt1	health indicators
Alt2	nutritional indicators
Alt3	economic indicators
Alt4	core indicators

52	Stunting, wasting and underweight are anthropometric parameters used to identify nutritional status of children under the age of
Alt1	one year
Alt2	five years
Alt3	ten years
Alt4	fifteen years

53	The programme which covers all children under the age of six, pregnant and lactating women is the
Alt1	ICDS

Alt2	MDMS
Alt3	NREGS
Alt4	Annapurna Yojana

54	Severe persistent vomiting during pregnancy is called
Alt1	hyperemesis gravidarum
Alt2	paraesthesia
Alt3	bulimia nervosa
Alt4	anorexia nervosa

55	The recruitment of blood vessels for growth by cancerous cells is called
Alt1	Angiogenesis
Alt2	Angioplasty
Alt3	Atherosclerosis
Alt4	Atheromatous

56	The normal heart rate of a new born infant is
Alt1	80 -100 per min.
Alt2	90 – 100 per min.
Alt3	100 - 110 per min.
Alt4	120 -140 per min.

57	Programmed cell death is called
Alt1	Necrosis
Alt2	Infarction
Alt3	Cirrhosis
Alt4	Apoptosis

58	The antibiotic used as a preservative is
Alt1	nisin
Alt2	streptomycin
Alt3	chloromycin
Alt4	amphicillin

59	The vitamin which is known as a prohormone is
Alt1	Vitamin A
Alt2	Vitamin B1
Alt3	Vitamin C
Alt4	Vitamin D

60	Give the concentration, in moles/liter, of the hydrogen ion, if pH of a solution is 7.
Alt1	1×10^{-7}
Alt2	2×10^{-7}
Alt3	5×10^{-7}
Alt4	7×10^{-7}

61	The immune cells which are reduced significantly in AIDS patients are the
----	---

Alt1	Killer T lymphocytes
Alt2	Helper T lymphocytes
Alt3	B Lymphocytes
Alt4	C Lymphocytes

62	The protein produced by host cells by viruses is called
Alt1	b. Histamine
Alt2	Antiserum
Alt3	Antihistamine
Alt4	Interferon

63	An enzyme with antioxidant activity is
Alt1	Glutathione S-transferase
Alt2	Glucose isomerase
Alt3	Elastase
Alt4	Catalase

64	Thalassmia is associated with
Alt1	Megaloblastic anaemia
Alt2	Pernicious anaemia
Alt3	Sickle cell anaemia
Alt4	Hemolytic anaemia

65	An acyl carrier protein plays an essential role in the synthesis of
Alt1	reducing sugars
Alt2	amino acids
Alt3	fatty acids
Alt4	Cholesterol

66	The mineral essential for the absorption of glucose
Alt1	Calcium
Alt2	Phosphorous
Alt3	Iron
Alt4	Sodium

67	Body mass index is?
Alt1	Weight/Height in meter
Alt2	Height in meter/ Weight
Alt3	Weight/Height ² in meter
Alt4	Height in meter/ Weight ²

68	Enzymes belong to the category of:
Alt1	Lipids
Alt2	Proteins
Alt3	Carbohydrates
Alt4	Steroids

69	Low birth weight is defined as weight below:
Alt1	2.0 kg
Alt2	2.5kg
Alt3	3.0 kg
Alt4	None of the above

70	Double Fortified Salt consists
Alt1	Iron & Iodine
Alt2	Iodine & vitamin A
Alt3	Iron & vitamin D
Alt4	None of the above

71	Which of the following vitamin is not available in the plant foods
Alt1	Thiamine
Alt2	Riboflavin
Alt3	vitamin A
Alt4	Vitamin B12

72	DNA fingerprinting involves
Alt1	RFLP
Alt2	RAPD
Alt3	AFLP
Alt4	All of these

73	The water requirement for microorganisms is best expressed in terms of
Alt1	Moisture%
Alt2	aw
Alt3	Humidity%
Alt4	Relative humidity

74	Botulism is caused by
Alt1	Bacillus megaterium
Alt2	Lactobacillus acidophilus
Alt3	Staphylococcus aureus
Alt4	Clostridium botulinum

75	Foodborne infection is caused by
Alt1	Salmonella
Alt2	Bacillus cereus
Alt3	S.aureus
Alt4	Clostridium botulinum

76	which of the following is an essential amino acid
Alt1	Alanine
Alt2	Arginine
Alt3	Cystine
Alt4	Isoleucine

77	The enzyme which involves in overwinding of DNA
Alt1	Topoisomerases
Alt2	DNA polymerases
Alt3	DNA ligase
Alt4	DNA helicase

78	The lac operon is an operon required for the transport and metabolism of
Alt1	Glucose
Alt2	Lactose
Alt3	Galactose
Alt4	Fructose

79	Which one of the following is an vasodialator
Alt1	Angioleurin
Alt2	Epinephrine
Alt3	Vasopressin
Alt4	Bradykinin

80	Night blindness is caused due to the deficiency of
Alt1	Vitamin A
Alt2	Vitamin B
Alt3	Vitamin C
Alt4	Vitamin D

81	FAO stands for
Alt1	Food and Agriculture Organisation
Alt2	Food Additives Organisation
Alt3	Fast Agriculture Organisation
Alt4	Food and Aroma organization

82	The phase during which the rate of bacterial growth continuously increases
Alt1	lag phase
Alt2	log phase
Alt3	death phase
Alt4	Stationary phase

83	Antigenic determinants of an antigen that are recognized by antibody are
Alt1	Paratopes
Alt2	Epitopes
Alt3	Isotopes
Alt4	Non determinants

84	BCG vaccine provides protection against
Alt1	Measles
Alt2	Cholera
Alt3	Tuberculosis

Alt4	Small pox
------	-----------

85	FSSAI stands for
Alt1	Food standards safety authority of India
Alt2	Food safety standards authority of India
Alt3	Food service standards authority of India
Alt4	Food standards authority of India

86	Which one of the following is not a part of nervous system
Alt1	Sensory portion
Alt2	Motor portion
Alt3	Central nervous system
Alt4	Hormonal portion

87	Approximate number of cells in human body
Alt1	75 trillion
Alt2	50 trillion
Alt3	25 trillion
Alt4	40 trillion

88	Which one of the following is not true of cardiac muscle
Alt1	Controller of somatic nervous system
Alt2	Found in heart
Alt3	Cells are semi spindle in shape
Alt4	only one or two nuclei in the cell

89	Which one of the following is not a plasma protein
Alt1	Globulin
Alt2	Albumin
Alt3	Fibrinogen
Alt4	Casein

90	Putrefaction in meat is
Alt1	anaerobic decomposition of protein
Alt2	aerobic decomposition of protein
Alt3	Fermentation process
Alt4	purification of meat

91	HTST of pasteurization stands for
Alt1	High time short temperature
Alt2	Holding temperature short time
Alt3	High temperature short time
Alt4	None of the above

92	A blood group that has both A and B antigens but no antibodies, it is
Alt1	A
Alt2	O

Alt3	AB
Alt4	B

93	AIDS is caused by
Alt1	RNA virus
Alt2	DNA virus
Alt3	Herpes virus
Alt4	Hepatitis virus

94	Antibodies are produced by
Alt1	Histocytes
Alt2	Mast cells
Alt3	Plasma cells
Alt4	Fibroblasts

95	The following acid is present in the gastric juice
Alt1	HNO_3
Alt2	H_2SO_4
Alt3	HCl
Alt4	H_3PO_4

96	Home made oral rehydration solution is made by adding _____ to water
Alt1	Salt
Alt2	Sugar and Cooking soda
Alt3	Glucose
Alt4	Salt and sugar

97	Which one of the following has high fibre
Alt1	Pulses
Alt2	Fruits and Vegetables
Alt3	Fats
Alt4	Wheat

98	Which one of the following is not a food allergen
Alt1	Egg
Alt2	Peanut
Alt3	Soyabean
Alt4	Redgram

99	"Hidden hunger" is
Alt1	Protein deficiency
Alt2	Calorie deficiency
Alt3	Micronutrient deficiency
Alt4	Macronutrient deficiency

100	Which of the following diet is not recommended for chronic kidney disease patients
Alt1	High carbohydrate

Alt2	Low carbohydrate
Alt3	High protein
Alt4	Low protein

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Examination: M.Sc. Food Science and Nutrition

Section 1 - Section 1

Question No.1

4.00

Bookmark ☐

An example for proteolytic enzyme is

- ☐ Amylase
- ☐ Pepsin
- ☐ Insulin
- ☐ Lipase

Question No.2

4.00

Bookmark ☐

Based on gender nutritional requirements changes after the age of _____

- ☐ 12 Years
- ☐ 15 Years
- ☐ 10 Years
- ☐ 5 Years

Question No.3

4.00

Bookmark ☐

Portion size for balance diet for an adult is based mainly on their _____

- ☐ Physical activity
- ☐ Gender
- ☐ Appearance
- ☐ Age

Question No.4

4.00

Bookmark ☐

Low hemoglobin percent in blood causes _____

- ☐ Anemia
- ☐ Marasmus
- ☐ Nutritional stunting
- ☐ Hypoglycemia

Question No.5

4.00

Bookmark ☐

Protein present in hair is

- ☐ Keratin
- ☐ Zein
- ☐ Albumin
- ☐ Gluten

Question No.6

4.00

Bookmark ☐

School going children should be thought _____

- ☐ Junk food pyramid
- ☐ Food regulatory pyramid
- ☐ WHO guidelines
- ☐ Food guide pyramid

Question No.7

4.00

Bookmark ☐

Based on the information given answer the following question.

1. In a family of six persons, there are people from three generations. Each has separate professions and they like different colours. There are two couples.
2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.
3. Chartered Accountant likes green colour and his wife is a teacher.
4. Manisha is the mother-in-law of Sunita and she likes orange colour.
5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes white colour.

Who is the Chartered Accountant?

- ☐ Manisha
- ☐ Vimal
- ☐ Nyna
- ☐ None of these

Question No.8

4.00

Bookmark ☐

Food packaging is essential for _____

- ☐ Transportation
- ☐ To prevent moisture loss
- ☐ To prevent spoilage and maintain quality
- ☐ All the options are correct

Question No.9

4.00

Bookmark ☐

One teaspoon of ghee provides _____ Kcal of energy

- ☐ 45
- ☐ 50
- ☐ 40
- ☐ 55

Question No.10

4.00

Bookmark ☐

Consumption of sticky sweets results in _____

- ☐ Dental carries
- ☐ Malnourishment
- ☐ Poor weight
- ☐ Poor sleep

Question No.11

4.00

Bookmark ☐

Ozone depletion in the stratosphere will cause

- ☐ Increased incidence of skin cancer
- ☐ Forest fires
- ☐ Global warming
- ☐ None

Question No.12

4.00

Bookmark ☐

Boiling, steaming or pressure cooking are considered as _____ of food preparation.

- ☐ Fried method
- ☐ Pickling method
- ☐ Dry method
- ☐ Wet method

Question No.13

4.00

Bookmark ☐

Nephritis is caused due to repeated infections of

- ☐ Yeasts
- ☐ Streptococcus
- ☐ Salmonella
- ☐ Ecoli

Question No.14

4.00

Bookmark ☐

Mesophilic organisms grows at _____

- ☐ 0 – 20°C
- ☐ 50 – 60°C
- ☐ 25 – 40°C
- ☐ None of these

Question No.15

4.00

Bookmark ☐

Golden rice is genetically modified to contain excess of

- ☐ Omega 3 fatty acid
- ☐ Lycopene
- ☐ β carotene
- ☐ Lutein

Question No.16

4.00

Bookmark ☐

According to WHO Individual between 10-19 years are considered _____

- ☐ Infants
- ☐ Adolescent
- ☐ Adult
- ☐ Preschoolers

Question No.17

4.00

Bookmark ☐

Amount of protein present in soyabean is _____%

- ☐ 35
- ☐ 30
- ☐ 25
- ☐ 40

Question No.18

4.00

Bookmark ☐

Study the following information carefully and answer the question below it

Lakshman passes through seven lanes to reach his school. He finds that 'Truth lane' is between his house and 'Lie lane'. The third lane from his school is 'Karma lane'. 'Dharma lane' is immediately before the 'Yog lane'. He passes 'Salvation lane' at the end, 'Lie lane' is between 'Truth lane' and 'Dharma lane', the sixth lane from his house is 'Devotion lane'.

How many lanes are there between 'Lie lane' and 'Devotion lane'?

- ☐ five
- ☐ two
- ☐ four
- ☐ three

Question No.19

4.00

Bookmark ☐

Reabsorption of water in the kidney is controlled by

- ☐ Growth hormone
- ☐ Antidiuretic hormone
- ☐ Oxytocin
- ☐ Aldosterone

Question No.20

4.00

Bookmark ☐

Significance of World Food Day is

- ☐ Foundation day of FAO
- ☐ Foundation day of ICAR
- ☐ Foundation day of ICMR
- ☐ Foundation day of WHO

Question No.21

4.00

Bookmark ☐

Choose the correct meaning of the italicized idiom.

The party in power *came down* on the side of a flexible and early economic policy to help the weaker sections.

- ☐ Decide to speak secretly
- ☐ Decide to rebuke severely
- ☐ Decide to support
- ☐ Decide to go to the corner

Question No.22

4.00

Bookmark ☐

Constipation caused due to lack of fluid is

- ☐ Spastic
- ☐ Obstructive
- ☐ Atonic
- ☐ Tonic

Question No.23

4.00

Bookmark ☐

Cut vegetables, when exposed to air for long duration causes loss of _____

- ☐ Carbohydrates
- ☐ Vitamins
- ☐ Minerals
- ☐ Lipids

Question No.24

4.00

Bookmark ☐

Vitamin A deficiency causes _____

- ☐ Bigot's spot
- ☐ Dermatitis
- ☐ Bone deformity
- ☐ All the above

Question No.25

4.00

Bookmark ☐

Cooking of starch drastically improves _____

- ☐ Flavor
- ☐ Texture
- ☐ Digestibility
- ☐ None of these

Question No.26

4.00

Bookmark ☐

Nutrition is defined as _____

- ☐ Science of foods, the nutrients, their interaction and balance to health and disease
- ☐ Science of foods, balance to disease
- ☐ Science of ingestion, digestion, absorption
- ☐ Science of nutrients

Question No.27

4.00

Bookmark ☐

Prevalence of Bitot Spot to call it a public health problem is

- ☐ >0.50 %
- ☐ >0.01 %
- ☐ >0.10 %
- ☐ >0.05 %

Question No.28

4.00

Bookmark ☐

Fat calories in a balanced diet should be _____ % of total calories

- ☐ 10-12
- ☐ 50-60
- ☐ 40-50
- ☐ 20-25

Question No.29

4.00

Bookmark ☐

Canning of foods is based on principles of _____

- ☐ Cold sterilization
- ☐ Clarification
- ☐ Heat sterilization
- ☐ All the above

Question No.30

4.00

Bookmark ☐**Statement:** Opening a Library in Achupatti will be a wastage.**Assumptions:**

I. Inhabitants of Achupatti are illiterate.

II. Inhabitants of Achupatti are not interested in reading

- ☐ If only assumption II is implicit
- ☐ If neither I nor II is implicit
- ☐ If both I and II are implicit
- ☐ If only assumption I is implicit

Question No.31

4.00

Bookmark ☐

The organ that stores bile is

- ☐ Kidney
- ☐ Brain
- ☐ Liver
- ☐ Gall bladder

Question No.32

4.00

Bookmark ☐

Lipid digesting enzyme present in saliva is

- ☐ Amylase
- ☐ Pepsin
- ☐ Lingual Lipase
- ☐ Pancreatin

Question No.33

4.00

Bookmark ☐

Factors that affect the growth of bacteria in the food are known as _____

- ☐ Explicit factors
- ☐ Intrinsic factors
- ☐ Processing factors
- ☐ Implicit factor

Question No.34

4.00

Bookmark ☐

Normal fasting blood sugar level is _____ mg/dl

- ☐ 60-120
- ☐ 70-100
- ☐ 120-130
- ☐ 60-100

Question No.35

4.00

Bookmark ☐

Hyperkalaemia occurs only in severe

- ☐ Cirrhosis
- ☐ Glomerular filtration failure
- ☐ Diabetes
- ☐ Hypertension

Question No.36

4.00

Bookmark ☐

Thermophilic micro-organism grows at _____

- ☐ 20 – 35°C
- ☐ 40 – 80°C
- ☐ 30 - 50°C
- ☐ 10 – 20°C

Question No.37

4.00

Bookmark ☐

During pregnancy folate requirement increases to _____

- ☐ 200 ug/day
- ☐ 400 ug/day
- ☐ 250 ug/day
- ☐ 300 ug/day

Question No.38

4.00

Bookmark ☐

Kupffer's cells are found in

- ☐ Bones
- ☐ Brain
- ☐ Liver
- ☐ Spleen

Question No.39

4.00

Bookmark ☐

FSSAI stands for

- ☐ Food Standards and Social Authority of India
- ☐ Food Security and Standards Authority of India
- ☐ Food Standards and Safety Authority of India
- ☐ Food Safety and Standards Authority of India

Question No.40

4.00

Bookmark ☐

T-Lymphocytes first mature in

- ☐ Thymus
- ☐ Liver
- ☐ Pancreas
- ☐ Spleen

Question No.41

4.00

Bookmark ☐

Heart covering is called

- ☐ Myocardium
- ☐ Pleural membrane
- ☐ Pericardium
- ☐ Peritoneum

Question No.42

4.00

Bookmark ☐

Bile juice is essential for digestion of

- ☐ Protein
- ☐ Carbohydrate
- ☐ Fat
- ☐ Calcium

Question No.43

4.00

Bookmark ☐

book : _____ : : comb : tooth

- ☐ Title
- ☐ Knowledge
- ☐ Cover
- ☐ Page

Question No.44

4.00

Bookmark ☐

Find the odd one out?

- ☐ Cover : Page
- ☐ Chair : Arm
- ☐ Flower : Petal
- ☐ Circle : Arc

Question No.45

4.00

Bookmark ☐

Essential amino acid limiting in pulses is

- ☐ Methionine
- ☐ Tyrosine
- ☐ Lysine
- ☐ Glycine

Question No.46

4.00

Bookmark ☐

Niacin deficiency causes _____

- ☐ Underweight
- ☐ Tongue fissuring
- ☐ CVD
- ☐ None of the above

Question No.47

4.00

Bookmark ☐

D and Z value are critical in food _____

- ☐ Contamination
- ☐ Preservation
- ☐ Storage
- ☐ None of these

Question No.48

4.00

Bookmark ☐

A source of omega 3 fatty acid is

- ☐ Ghee
- ☐ Dry coconut
- ☐ Butter
- ☐ Linseed

Question No.49

4.00

Bookmark ☐

Lactose comprises of glucose and _____

- ☐ Sucrose
- ☐ Maltose
- ☐ Galactose
- ☐ Fructose

Question No.50

4.00

Bookmark ☐

The cut off point for anemia in pregnant women is

- ☐ 11mg/dl
- ☐ 12mg/dl
- ☐ 10mg/dl
- ☐ 13mg/dl

Question No.51

4.00

Bookmark ☐

Choose the correct meaning of the italicized idiom.

When Peter left he was extremely disappointed. I think he has *gone for good*.

- ☐ To a good place
- ☐ To a foreign country
- ☐ Permanently
- ☐ To seek good fortune

Question No.52

4.00

Bookmark ☐

Pre school children health status is evaluated by using _____

- ☐ Growth index
- ☐ Growth curve
- ☐ Growth chart
- ☐ Growth marker

Question No.53

4.00

Bookmark ☐

Select the Pair that best represents the relationship that is given in the question:

Professor : Erudite

- ☐ Entrepreneur : Hardwork
- ☐ Inventor : Imaginative
- ☐ Carpenter : Furniture
- ☐ Mason : Architecture

Question No.54

4.00

Bookmark ☐

Based on physiologically functions foods can be divided into _____

- ☐ 3 groups
- ☐ 4 groups
- ☐ 2 groups
- ☐ 5 groups

Question No.55

4.00

Bookmark ☐

During pregnancy glycosuria results in _____

- ☐ Preterm birth
- ☐ Hypertension
- ☐ Gestational diabetes mellitus
- ☐ None of the above

Question No.56

4.00

Bookmark ☐

Study the following information carefully and answer the question below it:

P, Q, R, S T went on a picnic. P is son of Q but Q is not the father of P. R is the son of S, who is the brother of P. T is the wife of S.

How many males are present in the group?

- ☐ 4
- ☐ 2
- ☐ 1
- ☐ 3

Question No.57

4.00

Bookmark ☐

Study the following information carefully and answer the question below it

The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.

- (i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.
- (ii) Motivation should be organised immediately after Assessment Centre.
- (iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion
- (iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion

On which day there is no lecture?

- ☐ Tuesday
- ☐ Monday
- ☐ Wednesday
- ☐ Sunday

Question No.58

4.00

Bookmark ☐

PEM stands for _____

- ☐ Protein energy mass
- ☐ Protein energy malnutrition
- ☐ Protein equal muscle
- ☐ Protein equal malnutrition

Question No.59

4.00

Bookmark ☐

RDA for an expectant mother recommends additional _____

- ☐ 300 kcal
- ☐ 250 kcal
- ☐ 200 kcal
- ☐ 350 kcal

Question No.60

4.00

Bookmark ☐

It is important to realize that the ties that bind us together in common activity are so _____ that they can disappear at any moment.

- ☐ tenacious
- ☐ tentative
- ☐ restrictive
- ☐ tenuous

Question No.61

4.00

Bookmark ☐

Which of the following best describes the polysaccharide cellulose?

- ☐ α 1,4-O- β -linked poly-D-galactose
- ☐ α 1,4-O- β -linked poly-D-glucose
- ☐ α 1,4-O- α -linked poly-D-glucose
- ☐ α 1,4-O- α -linked poly-D-galactose

Question No.62

4.00

Bookmark ☐

One day, Ravi walked a distance of 75 metres towards the north. Then he turned left and walked for about 25 metres, he turned left again and walked 80 metres. Finally, he turned to the right at an angle of 45° . In which direction was he moving finally?

- ☐ South-east
- ☐ North-west
- ☐ South-west
- ☐ North-east

Question No.63

4.00

Bookmark ☐

Significant feature of Kwashiorkor is _____

- ☐ Less height
- ☐ Low weight
- ☐ Both low height and weight
- ☐ Oedema

Question No.64

4.00

Bookmark ☐

Bulimia Nervosa among adolescent girl is _____

- ☐ Eating disorder
- ☐ Normal growth pattern
- ☐ Weight loss method
- ☐ Weight gain method

Question No.65

4.00

Bookmark ☐

Fat soluble vitamins can not be utilized without _____

- ☐ Lipids
- ☐ Minerals
- ☐ Water
- ☐ Protein

Question No.66

4.00

Bookmark ☐

For Indian food industry the standards are specified by _____

- ☐ WHO
- ☐ FSSAI
- ☐ FPO
- ☐ FAO

Question No.67

4.00

Bookmark ☐

Ribosome is center(site) for

- ☐ Protein synthesis
- ☐ Respiration
- ☐ Lipid synthesis
- ☐ Glucose synthesis

Question No.68

4.00

Bookmark ☐

Moisture retention agents are also called

- ☐ Anticaking agents
- ☐ Preservatives
- ☐ Humectants
- ☐ Flavor enhancers

Question No.69

4.00

Bookmark ☐

Mid- Day meal programme is designed by Government for _____

- ☐ School going children
- ☐ Teenagers
- ☐ Adults
- ☐ Teachers

Question No.70

4.00

Bookmark ☐

The calorific value of fats is _____

- ☐ 9
- ☐ 4
- ☐ 8
- ☐ 6

Question No.71

4.00

Bookmark ☐

Statements: Stories are True, All true incidents are rumours.

Conclusion:

I. Stories are rumours.

II. Rumours are stories

- ☐ If either I or II follows
- ☐ If only conclusion II follows
- ☐ If only conclusion I follows
- ☐ If neither I nor II follows

Question No.72

4.00

Bookmark ☐

Choose the antonym of the italicized word.

The habit of *squandering* money should not be encouraged.

- ☐ discarding
- ☐ collecting
- ☐ hoarding
- ☐ saving

Question No.73

4.00

Bookmark ☐

_____ is a good cholesterol

- ☐ VLDL
- ☐ Cholesterol
- ☐ LDL
- ☐ HDL

Question No.74

4.00

Bookmark ☐

Generation time is the time required for population to _____

- ☐ Four times
- ☐ Double
- ☐ None of these
- ☐ Triple

Question No.75

4.00

Bookmark ☐

Edema is seen in _____ deficiency

- ☐ Thiamine
- ☐ Riboflavin
- ☐ Niacin
- ☐ Folic acid

Question No.76

4.00

Bookmark ☐

Main aim of food preservation is to prevent contamination from _____

- ☐ Physical
- ☐ Microbes
- ☐ Chemical
- ☐ Human

Question No.77

4.00

Bookmark ☐

Mixed vegetable puree is an example of _____ diet

- ☐ Normal
- ☐ Fullliquid
- ☐ Soft
- ☐ Clear fluid

Question No.78

4.00

Bookmark ☐

The hormones employed in glucose homeostasis are

- ☐ Insulin and glucagon
- ☐ Glucagon and statin
- ☐ Pancreatinand pepsin
- ☐ Insulin and estrogen

Question No.79

4.00

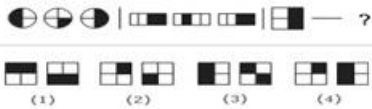
Bookmark ☐

Principles for planning the meal is _____

- ☐ RID
- ☐ RPA
- ☐ DI
- ☐ RDA

Question No.80

4.00

Bookmark ☐

- ☐ 4
- ☐ 3
- ☐ 1
- ☐ 2

Question No.81

4.00

Bookmark ☐

Nissl granules are found in

- ☐ Nephron
- ☐ Hepatic cells
- ☐ Nerve cell
- ☐ Brain

Question No.82

4.00

Bookmark ☐

An example of conjugated protein is

- ☐ Hemoglobin
- ☐ Peptides
- ☐ Globulin
- ☐ Albumin

Question No.83

4.00

Bookmark ☐

Deficiency of _____ affects the growth of bones in preschool children

- ☐ Fats
- ☐ Carbohydrates
- ☐ Vitamins
- ☐ Calcium

Question No.84

4.00

Bookmark ☐

Choose the best synonym of the italicized word.

Nobody knew that Sunil had a *sinister* design in marrying her.

- ☐ evil
- ☐ murderous
- ☐ sinful
- ☐ selfish

Question No.85

4.00

Bookmark ☐

Example of empty calorie food is _____

- ☐ Health drinks
- ☐ Fruit juice
- ☐ Carbohydrate drinks
- ☐ Milk shakes

Question No.86

4.00

Bookmark ☐

_____ is the fermented vegetable product

- ☐ Sauerkraut
- ☐ Soy sauce
- ☐ Nari
- ☐ Miso

Question No.87

4.00

Bookmark ☐

Only incomplete animal protein is

- ☐ Keratin
- ☐ Gelatin
- ☐ Glycogen
- ☐ Zein

Question No.88

4.00

Bookmark ☐

During HTST (high temperature short time) food products are heated for a period of _____

- ☐ 15 seconds
- ☐ 15 minutes
- ☐ 30 seconds
- ☐ 30 minutes

Question No.89

4.00

Bookmark ☐

The temperature found in cellar storage is about _____

- ☐ 5°C
- ☐ 0°C
- ☐ 15°C
- ☐ 10°C

Question No.90

4.00

Bookmark ☐

An example of non essential fatty acid

- ☐ Linoleic acid
- ☐ Linolenic acid
- ☐ Arachidonic acid
- ☐ Palmitic acid

Question No.91

4.00

Bookmark ☐

Each meal should consist of _____ food groups.

- ☐ Three
- ☐ Five
- ☐ Eight
- ☐ Six

Question No.92

4.00

Bookmark ☐

Dad often comes home late these days, _____?

- ☐ is it?
- ☐ does he?
- ☐ doesn't he?
- ☐ isn't it?

Question No.93

4.00

Bookmark ☐

Psychologist : Neurosis

- ☐ Oncologist: Measles
- ☐ Opthamologist : Catract
- ☐ Kids : Pediatrician
- ☐ Dermatologist: Sprain

Question No.94

4.00

Bookmark ☐

Melatonin is secreted by _____ gland

- ☐ Pineal
- ☐ Pituitary
- ☐ Thyroid
- ☐ Adrenal

Question No.95

4.00

Bookmark ☐

Foods rich in carbohydrates are _____

- ☐ Vegetables
- ☐ Oils and fats
- ☐ Nuts and seeds
- ☐ Cereals, millets, tubers

Question No.96

4.00

Bookmark ☐

_____ she had been lied to, Sally got really angry.

- ☐ If Sally discovered
- ☐ Having discovered
- ☐ Sally discovered
- ☐ Sally when discovered

Question No.97

4.00

Bookmark ☐

BMI stands for _____

- ☐ Basic Muscle Indices
- ☐ Basal Mass Index
- ☐ Body Mass Index
- ☐ Based Metabolic Index

Question No.98

4.00

Bookmark ☐

Acid base balance is maintained by

- ☐ Brain
- ☐ Gall bladder
- ☐ Stomach
- ☐ Kidney

Question No.99

4.00

Bookmark ☐

Choose the correct meaning of the italicized idiom.

Raju has a very nice manner, but you would better take what he says *with a grain of salt*.

- ☐ To complement
- ☐ To criticize
- ☐ To talk sensibly
- ☐ To listen to something with considerable doubt

Question No.100

4.00

Bookmark ☐

Waxy starch contains more of

- ☐ Cellulose
- ☐ Dextrin
- ☐ Amylopectin
- ☐ Amylose