PU M Sc Food Science and Nutrition

112 Son	f 100 PU_2015_389 ne enzymes require the presence of a non-protein substance if they are to catalyse a reaction. Which ne following terms is the best general term for such a substance? cofactor co-enzyme prosthetic group modulator
136 The	F 100 PU_2015_389 Danger Zone for food-borne illness is the temperature range of:- 30 - 100 °F 10 - 60 °F 40 - 140 °F 20 - 90 °F
149	F 100 PU_2015_389 common anthropometric measure for infants is:- Recumbent height Sitting height Standing height Laying height
181	F 100 PU_2015_389 Tethod of food preservation that does destroy microorganism and enzymes is Drying Freezing Microwaving foods Pressure canning
211	f 100 PU_2015_389 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
183 The	F 100 PU_2015_389 apolipoprotein which forms the integral component of chylomicron is:- B-100 D B-48 C
111	F 100 PU_2015_389 current vomiting leads to loss of:- Bicarbonate Chloride Potassium All of these
169	F 100 PU_2015_389 rage part of vitamin A in body:- Liver Adipose tissue Pancreas Islets of Langerhans
102	PU_2015_389 ch of the following is not involved in the biosynthesis of DNA? Enzymes Carbonic anhydrase Mononucleotides Energy from ATP
123	PU_2015_389 example of phosphoprotein present in egg yolk is:- Ovovitellin Ovoglobulin Ovoalbumin

-

	Avidin
154 Whi	of 100 PU_2015_389 ch is a chemical that combines with a substance and sets aside?
	Emulsifier
	Stabilizer
	Sequestratants
	Humicans
177	of 100 PU_2015_389 ch of the following is not a polymer of glucose? Inulin Dextrin Amylose Cellulose
113	PU_2015_389 mitate has 16 carbon atoms with:- 2 double bonds 3 double bonds One double bond None of these
138	of 100 PU_2015_389 ce minerals are those needed in amounts less than mg per day in our diets.
	5
	50 100
	200
164	of 100 PU_2015_389 en rot in egg is due to:-
	Pseudomonas flurescens
	Aspergillus niger
	Serratia marcescens

	Cladosporium
	of 100 B PU_2015_389 grams of a day's food intake should be protein.
	65
	45
	35
	55
197	of 100 PU_2015_389 y 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
139 Jac	of 100 9 PU_2015_389 k eats 1600 Kcals and 50 grams of protein per day. The percentage of total energy that comes from tein is:-
	12.5%
	25%
	3.1%
212	of 100 2 PU_2015_389 Desterol is a chemical that actually belongs to the family.
	protein
	carbohydrate
	alcohol
	fat
114	of 100 PU_2015_389 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.
198	pf 100 PU_2015_389 following part is absent in Leeuwenhoek's microscope:-
	Focusing Screw
	Lens
	Specimen holder
	Condenser
	of 100 PU_2015_389
	ch 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
0	tissue and nerve development
131	of 100 PU_2015_389 gh-protein diet increases the risk of:-
	Parkinson's disease
	Type I diabetes
	Multiple sclerosis
0	Osteoporosis
162	of 100 PU_2015_389 T is based on:-
	Conductance
	Turbidity
	Direct microbial count using microscope
	Cellular activity
179	of 100 PU_2015_389 specimen for an electron microscope is always:-
	Sliced in to thin sections
	Killed

	Stained with dyes
	Viewed directly
196	PU_2015_389 Iterm culture refers to the growth of microorganism in media. Microscopic Rapid Macroscopic Artificial
184	PU_2015_389 who approves the use of pesticide tolerance levels for pesticide levels in food in the US. NMFS EPA FDA USDA
166	PU_2015_389 Ik like flavor in milk is caused by:- Streptococcus lactis Callus cereus Aeromonas hydrophila Pseudomonas mephitica
218	PU_2015_389 Ich of the following is the intrinsic factor affecting the microbial growth? Water activity Packaging RH Preservatives
137	PU_2015_389 sequence of amino acids that make up a protein molecule is specified by:- sex heredity

0	age diet
147	of 100 'PU_2015_389 which of the following does thymine form hydrogen bonds in DNA? thymine guanine adenine cytosine
133	of 100 8 PU_2015_389 e process by which yeast changes sugar into carbon dioxide is called:- Fermentation Kneading Knocking back Proofing
176	of 100 8 PU_2015_389 ich one of the following statements concerning glucose metabolism is correct? An elevated level of insulin leads to a decreased level of fructose 2, 6-bisphosphatein 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
122	of 100 2 PU_2015_389 erosclerosis can cause blood:- Clotting Thinning Thickening None of these
192	of 100 2 PU_2015_389 the legal maximum of nitrite (NO ₂) is 156 ppm, how much sodium nitrite can you `legally add to 1 kg. of at? 31.2 oz

0	15.6 ounces 156 mg 78 mg
148	of 100 PU_2015_389 It indicator for nutritional status for a child is:- Head circumference Mid arm circumference Chest circumference Rate of increase of height and weight
121	of 100 PU_2015_389 blesterol is the precursor of:- a) steroid hormones b) vitamin A c) bile salts d) both (a) and (c)
199	of 100 PU_2015_389 v many ATPs are formed during complete oxidation of palmitate? 35 131 96 129
194	of 100 PU_2015_389 y sauce is made with the use of Bacteria Fungi Mold Yeast
163	of 100 PU_2015_389 e of stabilizers:- To preserve flavour

	Prevents products from separating	
	Provide an even texture	
0	Allow substances to flow freely	
168	of 100 B PU_2015_389 hti is:-	
	Rice beer	
	Barley beer	
	Ginger beer	
	Wheat beer	
103	of 100 B PU_2015_389 ich 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 chanism.	
	Substrates fit into active sites and bind to functional groups within the active site.	
	An active site is normally hydrophilic in nature.	
43 of 100 191 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	
0	Carbon dioxide	
44 of 100 152 PU_2015_389 An obligate halophile requires high:-		
	рН	
	Temperature	
	Salt	
	Pressure	
167	of 100 ? PU_2015_389 os are:-	

	Not effective against bacteria
0	Effective against gram positive bacteria
	Effective against gram negative as well as gram positive bacteria
	Effective against gram negative bacteria
134 Wh	of 100 PU_2015_389 ich of the following milks can form the basis of a caramel sauce?
	Powdered milk
	Buttermilk
	Evaporated milk
	Condensed milk
216 Who to a	of 100 5 PU_2015_389 en a food scientist appraises a food using sight, smell, taste and possibly touch, this is often referred as:-
	sensory evaluation
	extra sensory perception
	sensory perception
	sensory orientation
219	of 100 PU_2015_389 bidostat and chemostats are:-
	Types of sterilizer
	Types of fermenter
	Instrument to enumerate the microbial cells
	Continuous culture medium
153	of 100 B PU_2015_389 hemical with sporicidal properties is:-
	Quaternary Ammonium Compound
	Glutaraldehyde
	Alcohol
	Phenol
	of 100 PU_2015_389

ng the following which is not cell adhesion protein?
Selectin
Integrin
Catherin
Immunoglobulin
f 100 PU_2015_389 eria do not thrive below 40 degrees Fahrenheit or above degrees Fahrenheit. 13 12 14
f 100 PU_2015_389 ing of cream at low pressure is called:- Pasteurization Vacreartion Thermo sterilization Sterilization
f 100 PU_2015_389 t percentage of weight does bread lose during baking? 25-33 percent 10-13 percent 0-3 percent 16-23 percent
f 100 PU_2015_389 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 f 100 PU_2015_389

for:-	ing parenteral nutrition, the infusion of large amounts of dextrose increases electrolyte requirements -
	Potassium and phosphorus
	Sodium and phosphorus
	Sodium and potassium
	Potassium and chloride
178	of 100 PPU_2015_389 of factors that accelerate rancidity in food products are Light and moisture Light and soluble minerals Light and oxygen Temperature and light
213	of 100 PU_2015_389 ich is of the following food component is primarily derived from red meat and poultry? carbohydrates minerals ash protein
182	of 100 PU_2015_389 food pyramid indicates that the group is the where you should obtain the most servings each day:- Bread Fruit Milk Vegetable
101	of 100 PU_2015_389 e major source of NH3 produced by the kidney is:- Alanine Leucine Glutamine Glycine

	PU_2015_389 utamic acid is subjected to oxidative deamination by:-
	L-glutamate dehydrogenase
	Glutaminase
	L-amino acid dehydrogenase
9	Glutamine synthetase
226	of 100 PU_2015_389 ential fatty acids serves as a precursors of:- Retinol
9	Niacin
	Vitamin C
0	Prostaglandin
221 Whe	of 100 PU_2015_389 en water is used as an ingredient in food formulations, it must be:-
	hard water
	soft water
	potable water
	purified water
63 of 100 243 PU_2015_389 Ergotism is due to:-	
	Polypeptides
	Alkaloids
	Phenolic compounds
	None of the above
248 Fath	of 100 PU_2015_389 ner of canning is:-
	Peter Durand
	Alexander Fleming
	Nicholas Appert
	Louis Pasteur

	PU_2015_389 effectiveness of many chemical preservative depends primarily on the food:
	acidity
	·
	water content
	pH toppografium
	temperature
225	of 100 PU_2015_389 ch lipid is Saponifiable?
	a) Simple
	b) Complex
	c) Both a & b
	d) None
228	PU_2015_389 In the increase in temperature the rate of browning reaction? Remain constant
	First decreases and then increases followed by a constant phase
	Decreases
	Increases
244	PU_2015_389 eoviridin is the mycotoxin produced by:- Mushroom Penicillium Fusarium
	Aspergillus
246	PU_2015_389 ee is adulterated with:- Protein Starch Lipid Vanaspati

	PU_2015_389 bil O157:H7 is thought to have acquired enterohemorrhagic genes from:-
0	Shigella
9	Clostridium
0	Bacillus
	Campylobacter
223	PU_2015_389 ch one of the following uses mold to derive the final product? whole milk
	soysauce
	pickles yogurt
242 Whi	of 100 PU_2015_389 ch one is a constituent of coenzyme?
	Ascorbic acid
	Sucrase
	B_2
	Lipase
227	of 100 PU_2015_389 ne value measures:-
	Amount of carbon present
0	Degree of saturation
0	Number of iodine present
	Degree of unsaturation
247	of 100 PU_2015_389 c acid is:-
	An acidulant used in food processing
	An acid produced during carbohydrate metabolism
	A mycotoxin
	None of the above

	PU_2015_389 chief spoilage organisms on smoked fish are:-
	a) Molds
	b) Bacteria
0	c) both (a) and (b)
	d) Fungi
241	PU_2015_389 er chromatography is based on:- Size exclusion chromatography
0	Adsorption chromatography
	Partition chromatography
	Ion-exchange chromatography
245 Afla	of 100 PU_2015_389 toxin G1 is :-
	Nephrotoxin
	Carditoxin
0	Neurotoxin
	All of the above
224	of 100 PU_2015_389 ch of the following would be a requirement or function of a commercial food container? gas and odor protection
	resistance to impact
0	degradable
	sanitary protection
	of 100 PU_2015_389 means that the product contains bacteria that can make more of the product:-
	active ingredients
	active culture
	active byproducts
	live bacteria

	PU_2015_389 ich of the following acts as a bacteriostatic?
	Cumic acid
	Elaidic acid
	Cinnamic acid
	All of the above
	of 100 PU_2015_389 is a fructosan.
0	Glycogen
0	Insulin
	Cellulose
	Agar
277	of 100 PU_2015_389 ich of the following statements is incorrect regarding transport proteins?
0	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
274	PU_2015_389 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
271 Salr	of 100 PU_2015_389 monellois is caused by the:-
	neurotoxin of Salmonella spp
	exoenterotoxin of Salmonella spp
	endotoxin of Salmonella spp
0	enterotoxin of Salmonella spp

	PU_2015_389 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
296 Whi	PU_2015_389 ch 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
273 Pror	PU_2015_389 Into sil 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
	PU_2015_389 first transgenic plant to be produced:-
	Rice
	Tobacco
	Maize
	Cotton
276 Hist	of 100 PU_2015_389 idine is degraded to to α-ketoglutarate and is described as a:-
	Ketogenic amino acid
	Gluco amino acid
	Glucogenic amino acid
	Keto-gluco acid

	PU_2015_389 first crop plant genome sequenced:-
	Tobacco
	Rice
	Maize
	Cotton
293 Whi	of 100 PU_2015_389 ich 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
92 of 100 297 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.
© elec	Wanted proteins can be tested for their biological activity after separation by SDS polyacrylamide gel strophoresis.
elec	Proteins are solubilized but not denatured when separated by SDS polyacrylamide gel strophoresis.
262	of 100 PU_2015_389 best source of salt tolerant gene:-
	Sea anemones
	Mangroves
	Mussels
	Fishes
261	of 100 PU_2015_389 trophism is a type of:-
	Mutalism
	Commensalism
	Parasitism
	Synergism

278	of 100 PU_2015_389 ich 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
294	of 100 PU_2015_389 ere 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
	of 100
	PU_2015_389 Inormal healthy individual with a total lung capacity of 6 litres:-
9	The functional residual capacity would be about 2 litres
9	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
	of 100
	PU_2015_389 ich 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.
	of 100 5 PU_2015_389 is a structural homopolysaccharide.
	Starch
	Chitin
0	Hyaluronic acid

	Inulin
272	of 100 PU_2015_389 ers like flavors in butter are resulted from the action of:-
	Aeromonashydrophila
	P. mephitica
	Pseudomonas synxantha
	P. fragi