Question Booklet Alpha Code



Total Number of Questions : 100

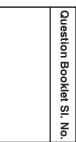
Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A**, **B**, **C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.

11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.

- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.



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Time: 90 Minutes

- 1. Which of the following staining procedure is employed for DNA?
 - A) Feulgen staining

- B) Negative staining
- C) Ziehl Neelsen staining D) Sudan black B staining
- 2. Which of the following inclusion body/bodies are present in Cyanobacteria ?
 - i. Cyanophycin granules
 - ii. Carboxysomes
 - iii. Poly metaphosphate
 - iv. Poly β hydroxy butyrate
 - A) i and ii
 - C) Only iii

- B) ii and iiiD) Only iv
- 3. The following statements are characteristic of metabolic plasmids.
 - i. They carry genes for enzymes that degrade aromatic substances.
 - ii. They carry genes required for *Rhizobium* to induce legume nodulation.
 - iii. They contain genes that codes for an enterotoxin.
 - iv. They contain genes coding for antibiotic resistance.
 - A) i and ii B) ii and iii
 - C) Only iii D) iii and iv
- 4. Pick out the false statement/statements against peptidoglycan of bacteria.
 - i. The presence of D amino acids protects against degradation by most peptidases.
 - ii. D-alanine, D-glutamic acid and mesodiaminopimelic acid, present only in bacterial peptidoglycan are not found in other proteins.
 - iii. Many bacteria replace mesodiaminopimelic acid with L-lysine.
 - iv. All bacteria possess the peptide interbridge.
 - A) i and ii B) ii and iii
 - C) Only iv D) Only ii
- 5. Which of the following statements is/are not true regarding halophiles ?
 - i. Halophiles grow optimally in the presence of NaCl or other salts at a concentration above 0.2 M.
 - ii. Halophilic prokaryotes accumulate enormous quantities of potassium in order to remain hypertonic to their environment.
 - iii. The plasma membrane and cell wall of *Halobacterium* are stabilized by low concentrations of sodium ion.
 - iv. Enzymes, ribosomes and transport proteins requires high potassium levels for stability and activity.
 - A) i, ii and iii B) ii and iii
 - C) Only iv D) Only i
- Α

6. Match the given sterilant or disinfectants with their efficacy and choose the best answer given below.

Sterilant/Disinfectant

- i. Betapropiolactone (BPL)
- ii. Ethylene oxide
- iii. Hexachlorophene
- iv. Glutaraldehvde
- v. Vapourised hydrogen peroxide
- A) i-b, ii-c, iii-d, iv-e, v-a
- B) i-c, ii-d, iii-e, iv-a, v-b
- C) i d, ii a, iii e, iv b, v c
- D) i-c, ii-e, iii-a, iv-b, v-d

Efficacy

- a. Plastic wraps
- b. Laboratory equipment
- c. Safety cabinets
- d. Vaccines
- e. Skin antiseptic
- 7. Match the antibiotics to their mechanism of action and choose the answer given below. Antibiotic Mode of action
 - i. Macrolides
 - ii. Aminoglycosides
 - iii. Sulphonamides
 - iv. Penicillins
 - v. Quinolones

- - e. Peptide chain elongation
- A) i-b, ii-c, iii-d, iv-e, v-aB) i-c, ii-d, iii-e, iv-a, v-b
- C) i e, ii c, iii d, iv b, v a
- D) i-b, ii-c, iii-d, iv-e, v-a
- 8. Pick out the statement which is false regarding the accessory pigment of photosynthesis.
 - A) Phycocyanobilin contains a linear tetrapyrrole attached to a protein
 - B) Phycoerythrin is a red pigment with a maximum absorption of 550 nm
 - C) Accessory pigments absorbs light in the range absorbed by the chlorophylls
 - D) β carotene is present in Cyanobacteria
- 9. Spikes containing neuraminidase and haemagglutinin are present in one of the following viruses.
 - A) Hepatitis virus A C) Influenza virus

B) Rabies virus

B) Eraotism

- D) Pox virus
- 10. Amanitin, a mycotoxin, produced by Amanita verna causes the disease
 - A) Aflatoxicosis
 - C) Mushroom poisoning
- D) Poultry haemorrhagic syndrome

- a. Inhibits replication
- b. Inhibits transpeptidation
- c. Interfere with protein synthesis
- d. Inhibits folic acid synthesis

- 11. Greatest resolution is obtained by using a lens with
 - A) Large possible numerical aperture and light of the shortest wavelength
 - B) Small possible numerical aperture and light of the shortest wavelength
 - C) Large possible numerical aperture and light of the longest wavelength
 - D) Small possible numerical aperture and light of the longest wavelength
- 12. Thin and distinctively shaped, *Treponema pallidum*, the causative agent of *syphilis* is better identified in clinical specimens, by using
 - A) Phase contrast microscope
- B) Dark field microscope
- C) Fluorescent microscope D) Differential interference contrast microscope
- 13. Which of the following statement is not true of gel electrophoresis ?
 - A) Charged molecules are placed in an electrical field and allowed to migrate towards the positive and negative poles
 - B) The molecules separate as they move at different rates due to their differences in charge and size
 - C) As DNA is negatively charged, it is loaded into wells at the negative pole of the gel and it migrates towards the positive
 - D) Each fragment's migration rate is directly proportional to the log of its molecular weight
- 14. Choose the techniques which are effective in the purification of a virus preparation.
 - i. Differential centrifugation
 - ii. Gradient centrifugation
 - iii. SDS PAGE
 - iv. Polyacrylamide gel electrophoresis
 - A) i and ii B) ii and iii C) iii and iv D) i and iv
- 15. Which of the following statements is/are not true of sedimentation ?
 - i. The sedimentation rate of a given particle will be zero when the density of the particle and the surrounding medium are equal.
 - ii. The greater the frictional coefficient is, the slower a particle will move.
 - iii. The greater the centrifugal force is, the slower the particle sediments.
 - iv. The denser the biological buffer system is, the slower the particle will move in a centrifugal field.
 - A) i and ii B) i and iii C) Only iii D) Only iv
- 16. Caesium chloride, widely employed in the density gradient centrifugation, is used for the
 - i. Banding of DNA
 - ii. Isolation of plasmids
 - iii. Isolation of nucleoproteins
 - iv. Isolation of viruses
 - A) Only i B) i and ii

C) i, ii, iii and iv D) Only iv

- 17. _____ are strong exchangers, as they are totally ionized at all normal working pH values which are often used in the ion exchange chromatography.
 - A) Sulphonate and guaternary ammonium B) Carboxylate and diethylammonium
 - C) Sulphonate and diethylammonium D) Carboxylate and guaternary ammonium

18. Match the substance and the reagent used in Colorimetric and UV absorption assays.

Substance

- i. Amino acids
- ii. Cysteine
- iii. Protein
- iv. DNA
- v. RNA
- A) i-b, ii-c, iii-d, iv-e, v-a
- B) i-d, ii-c, iii-e, iv-a, v-b
- C) i-c, ii-d, iii-e, iv-b, v-a
- D) i e, ii d, iii c, iv b, v a

19. Match the following and choose the best answer given below.

- Spectroscopic technique Application i. NMR a. Study metallo proteins ii. EPR b. Imaging of live samples iii. SPR c. Identification of sample constituents iv. Infrared spectroscopy d. Assess particle size v. Fluorescence spectroscopy e. Study the kinetics of antigen antibody interaction A) i - e, ii - b, iii - c, iv - d, v - aB) i-b, ii-c, iii-d, iv-a, v-eC) i - c, ii - d, iii - e, iv - a, v - bD) i-b, ii-a, iii-e, iv-c, v-d
- 20. Isolation of eukaryotic mRNA from a mixture of total cellular RNA is carried out by technique.

 - A) Affinity chromatographyB) Paper chromatographyC) This lower chromatographyD) Immuno blotting technique
- 21. Which of the following statements is/are correct relating to passive immunity ?
 - i. Preformed antibodies are administered.
 - ii. There is no latent period.
 - iii. It involves the active functioning of the immune system.
 - iv. Immunity is long lasting.
 - A) i and ii B) ii and iii C) iii and iv D) Only iv
- Α

- Reagent
- a. Diphenylamine
- c. Ellman reagent
- d. Ninhydrin
- e. Coomassie blue
- b. Bial

enterotoxin. i. They activate a ii. They bind outs β chain. iii. They bind to V regions of Te	 i. They activate a large number of T cells irrespective of their antigen specificity. ii. They bind outside the antibody binding groove directly to the lateral aspect of TCR β chain. iii. They bind to the αβ heterodimer groove of the MHC molecules through the V regions of TCR α and β chains. iv. They are highly resistant to proteases and denaturation by CD4+T cells. 				
23. ComplementarityA) Fc fragment ofC) Hinge region c	-	DRs) are present in t B) Fab fragment of D) C _H 1 and C _L don	antibody		
i. Secretory piec ii. Secretory piece iii. SIgA (MW abc iv. IgA fixes comp	 24. Which of the following statement/statements is/are characteristic of secretory IgA (SIgA) ? Secretory piece present in SIgA is not produced by lymphoid cells. Secretory piece is believed to protect SIgA from denaturation by bacterial proteases. SIgA (MW about 4,00,000) is a smaller molecule than serum IgA. IgA fixes complement. 				
i. Weil-Felix test ii. Paul-Bunnel te		C) iii and iv of heterophile agglu C) Only iii	D) Only iiitination tests.D) i, iii, iv		
iii. Type III hypers	•	C) Only i	D) iii and iv		
27. Which HLA Class response ? A) HLA Class I C) HLA Class III	s molecule/molecules is	s/are responsible for B) HLA Class II D) HLA Class I and	-		
28. Which of the followA) Freund's incomC) Bordetella per		t in DPT vaccine ? B) Freund's comple D) Aluminium hydro	•		

- 29. Which of the deficiency leads to Wiskott-Aldrich syndrome ?
 - A) T and B cell B) T cell C) B cell

D) Complement

- 30. Which of the following statement/statements is/are true of tumour antigens ?
 - i. Oncofetal antigens are found in embryonic and malignant cells.
 - ii. Carcinoembryonic antigen can be detected in the serum of patients with colon of carcinoma.
 - iii. The tumour associated transplantation antigens of virus induced tumours is virus specific.
 - iv. The tumour antigens are absent in the corresponding normal cells of the host.
 - A) i, ii and iii B) i and ii C) ii and iii D) Only iv
- 31. O-linked oligosaccharides are added to the serine or threonine residues of proteins post-translationally in the Golgi apparatus while N-linked oligosaccharides are added cotranslationally to the asparagine residues of proteins in the endoplasmic reticulum. Which one of them can influence the folding of the protein the most ?
 - A) O-linked oligosaccharides
 - B) N-linked oligosaccharides
 - C) Both O-linked and N-linked oligosaccharides show equal influence
 - D) Both O-linked and N-linked oligosaccharides cannot influence
- 32. Of the following lipid components, which one increases the fluidity of the cell membrane the most ?
 - A) Cis unsaturated fatty acids
- B) Trans unsaturated fatty acids
- C) Long chain saturated fatty acids
- D) Medium chain saturated fatty acids
- 33. When a protein denatures
 - A) Primary, secondary and tertiary structures are altered and its function is lost
 - B) Secondary and tertiary structure are altered, but primary structure and its functions are retained
 - C) Secondary and tertiary structure are altered, but primary structure is intact, though its function is lost
 - D) Primary, secondary and tertiary structures is intact, but loses its function because of the changes in quaternary structure
- 34. A researcher prepared a plant extract which when added to the enzyme pepsin, the enzyme activity reduced to $2/3^{rd}$ of its original activity. When double the amount of protein substrate was added to the mixture, the enzyme activity came back to the original level. What would be the maximum reaction velocity observed in the presence of the plant extract ? (Maximum reaction velocity in the absence of the extract is designated as V_{max})
 - A) V_{max}^{max} B) 2 V_{max} C) 2/3 V_{max} D) 1/3 V_{max}

- 35. Receptors of peptide hormones are
 - A) Cytoplasmic B) Nuclear

C) Transmembrane D) All of the above

- 36. Scientist have identified a new species of plant from Western Ghats. To study its uniqueness, they isolated the DNA and prepared a cot value curve. Which of the following information is not possible to get, on analyzing the cot value curve ?
 - A) Idea about genome size and complexity
 - B) Understanding the relative proportion of single copy and repetitive sequence
 - C) Idea on how many times a sequence repeats itself
 - D) Determination of exact GC content
- 37. Which of the following molecule is derived from cholesterol ?A) Prostaglandin B) Taurocholic acid C) Somatostatin D) Stearic acid
- 38. Ammonium sulphate precipitation is commonly employed during the isolation of proteins. Which of the following technique can be used to remove ammonium sulphate from the solution after ammonium sulphate precipitation ?
 - A) Lyophilization B) Chromatography C) Dialysis D) Electrophoresis
- 39. In some inflammatory and autoimmune diseases, some arginine residues in histone proteins are replaced by citrulline residues. These altered proteins can be easily separated by electrophoresis. What is the change you can observe in their electrophoretic mobility ?

Arginine	Citrulline
NH ₂	NH ₂
$C = NH_2^+$	C = O
NH NH	 NH
CH ₂	CH ₂
CH ₂	 CH ₂
CH ₂	CH ₂
HCNH ⁺ ₃	$ $ HCNH $_3^+$
 COO-	C00-
	sing many of factor th

A) Citrullinated proteins move faster than the native proteins towards the anode

- B) Citrullinated proteins move slower than the native proteins towards the anode
- C) Citrullinated proteins give multiple bands when compared to the native proteins

D) None of the above

- 40. Which of the following statement about fructose is true ?
 - A) Most predominant conformation of fructose in solution is β fructopyranose
 - B) In polysaccharides, fructose is seen in their furanose form
 - C) Fructose is hygroscopic
 - D) All of the above
- 41. The linking number of DNA
 - A) Is a topological property
 - B) Determines the degree of supercoiling
 - C) Is the sum of Twist (Tw) and Writhe (Wr)
 - D) All the above
- 42. The Klenow fragment of DNA polymerase I has
 - A) 5' 3' exonuclease activity
 B) 3' 5' exonuclease activity
 C) Very high processivity
 D) Helicase activity
- 43. The role of σ^{70} (sigma-70) in prokaryotic transcription is
 - A) Binding DNA template
 - B) Binding regulatory sequences
 - C) Forming phosphodiester bonds
 - D) Recognizing the promoter and initiating RNA synthesis
- 44. Eukaryotic RNA polymerase II transcribes A) 18s rRNA B) tRNA C) mRNA

D) 5s rRNA

- 45. Which of the following statement is incorrect regarding splicing?
 - A) Splicing is accomplished by two transesterification reactions
 - B) At the end of splicing, the intron is released in the form of a lariant
 - C) The 2' OH of the adenine at the branch site attacks the 3' splice site
 - D) snRNAs in spliceosome catalyze the splicing of mRNA precursors
- 46. Lac repressor protein in the absence of inducer binds to the operator and thereby
 - A) Activates transcription

- B) Blocks transcription
- C) Attenuates transcription
- D) None of the above
- 47. The phenomenon by which some t-RNA molecules recognize more than one codon is because of
 - A) Watson-Crick base pairing
- B) Wobble base pairing
- C) Hoogsteen base pairing
- D) Purine-purine base pairing
- 48. Shine-Dalgarno sequence is
 - A) Centered about 10 nucleotides on the 5' side of the initiator codon
 - B) A part of prokaryotic m-RNA
 - C) A purine rich region
 - D) All the above

- 49. The enzyme which can be used to synthesize DNA from mRNA by providing an oligo(dT) primer that pairs with the poly (A) sequence at the 3' end of eukaryotic mRNA is
 - A) Reverse transcriptase C) Topoisomerase

- B) Restriction endonuclease D) Primase
- 50. The plasmids which can be used for introducing new genes into plant cells are A) R plasmids B) Col plasmids C) Ti plasmids D) F plasmids
- 51. Genes from higher organisms may be introduced into microbial cells so that the recipients become capable of synthesizing foreign proteins which are described as
 - A) Isomeric proteins

B) Conjugated proteins

C) Heterologous proteins

- D) Fusion proteins
- 52. The key factor/s affecting the hyphal morphology in submerged culture are
 - i. The concentration of spores in the medium
 - ii. Design of the medium
 - iii. Shear conditions
 - iv. Volume of the medium

Select the correct option from the following.

- A) Only i
- C) Only i, ii and iii
- B) Only ii and iii
- D) All the above i, ii, iii, iv
- 53. The washout of the inoculum before an adapted culture is established is the main difficulty in using a
 - A) Continuous-enrichment process
- B) Batch-enrichment process
- C) Fed-batch-enrichment process
- D) All the above
- 54. The SSF bioreactor in which the bed is static or mixed only very infrequently (i.e., once per day) and air is blown forcefully through the bed is typically referred to as
 - A) Tray bioreactor
- B) Packed-bed bioreactor
- C) Rotating drum bioreactor
- D) Gas-solid fluidized bed bioreactor
- 55. Wine obtained from which one amongst the following is whitish and effervescent liquid, both of which properties derive from the fact that the fermenting organisms are numerous and alive when consumed ?

A)	Malus pumila	B)	Artemesia absinthium
C)	Vitis vinifera	D)	Elaeis guiniensis

56. Who first of all proposed the utilization of microorganisms as one of the solutions to the oil recoverv issue ?

A) J. W. Beckman in 1926	B) C. E. ZoBell in 1946
C) D. R. Schmitt in 1975	D) A. A. Grigoryan

57.	itself between these two phases in a definite A) Partition coefficient			two-phase immiscible system, it will dispense nite ratio called as B) Segregation coefficient D) Diffusion coefficient		
58.	 The efficiency of solid particles as antifoam entities depends mainly on their Hydrophobicity Shape Size Volume Select the correct option from the following. A) Only i and iii B) Only ii and iii C) Only i and iv D) Only i, ii and iii 					
59.	'Porter' and 'Stout' and A) Wine	e varieties of B) Beer	C)	Vinegar	D) None of the above	
60.	Which one amongst th A) Pervaporation	e following is one of th B) Impingement		ethod of enzyme n Perstraction	nicroencapsulation ? D) Coacervation	
61.	Which gene is respor A) mec A gene	nsible for Methicillin re B) Van A gene		ance in Staphyloc Van B gene	occus aureus ? D) erm gene	
62.	 2. An invitro virulence test which is used for the toxigenicity testing of Diphtheria ? A) Schick test B) Dick test C) Elek's gel precipitation test D) Sub cutaneous test 					
63.	 3. Name the causative agent of diarrhea which is common in persons from developed countries visiting endemic areas. A) ETEC B) EHEC C) EPEC D) EAEC 					
64.	Which of the following A) RPR	g is a specific test for B) TPHA		hilis ? VDRL	D) All of these	
65.	 5. Which one of the following is a non-neural vaccine for Rabies ? A) Semple vaccine B) BPL vaccine C) Infant mouse brain vaccine D) Purified chick embryo cell vaccine 					
66.	 6. Covid 19 is a A) Non-enveloped RNA virus C) Enveloped RNA virus 		B) Enveloped DNA virusD) Non-enveloped DNA virus			
67.	 Which of the following is a non-cultivable fungus ? A) Candida albicans B) Rhinosporidium seeberi C) Actinomyces D) Blastomyces dermatitidis 					

68.	Asexual reproductive A) Sporangiospore	e structures of Zygomy B) Ascospore		D) Fungi imperfecti	
69.	. Which method of peripheral smear examination is useful for species identification of				
	Malaria ? A) Thick smear	B) Thin smear	C) QBC	D) Both thick and thin	
70.	Kala azar is transmitt A) Mosquito	ed to humans by the B) Tsetse fly	bite of C) Tick	D) Sand fly	
71.	A yeast genus comm beans, whose generi A) Pichia	nonly found in fresh g c name means 'shinir B) Candida		-	
72.	Depression in pH valu	ue of meat upon compl	letion of rigor mortis is	due to the conversion	
	of 1% glycogen to A) Sialic acid	B) Acetic acid	C) Lactic acid	D) Gluconic acid	
73.	 Choose the correct statement. A) At any temperature the ability of micro-organism to grow is reduced as the water activity is lowered. B) Range of water activity over which growth occurs is greatest at the optimum temperature of growth. C) The presence of nutrients increases the range of water activity over which the organisms can survive. D) All of these 				
74.	Which of the followin A) Inulin B) F	g is not a prebiotic ? ructooligosaccharide	C) Lactose	D) Lactulose	
75.	A) Short chain fatty a C) Both (A) and (B)	-	ation determine the pH B) Lactic acid D) None	H of colonic lumen.	
76.	12-D concept is relatA) <i>Clostridium botuli</i>C) <i>Brevibacterium</i>		f survival of B) <i>Bacillus strearotl</i> D) All of these	in foods. hermophilus	
77.	The presence of reduce the risk of bot			ge (MAP) gases can D) Nitrogen	
78.	The Z value for most A) 40 – 70°C	of the bacteria range B) 30 – 40°C		D) 5 – 10°C	
Α		-15	3-		

79.	A) Yeast C) Fungus	ary group of organism	B)	volved in sauerkr Lactic acid bact Spore forming b	eria
80.	 Antimicrobial activity of hydrogen peroxide is attributed to A) Strong oxidizing effect on the bacterial cell B) Destruction of basic molecular structures of cell proteins C) Both (A) and (B) D) None 				
81.	Secondary metaboli A) Exponential	tes are produced durir B) Stationary	ng C)	phas Trophophase	e of growth. D) Lag
82.	Inner surface of bior A) Teflon	eactors are coated wit B) Steel	h C)	to lim Brass	it wall growth. D) Glass
83.		can be used for produc B) Cellulose			
84.	 34 is a technique where modified fermenters up to 100 dm³ are gently stirred and broth continuously removed from the vessel and passed through stainless steel or ceramic filter. A) Perfusion culture B) Hollow filter chamber C) Radial flow fermenter D) Stirred fermenter 				
85.		one of the commercia <i>boulardi</i>	B)	-	
86.	and cooling cycles of	for the circulation of s f sterilization of the fer B) Jacket	rmei	nter.	ater during the heating D) Agitator
87.	100 pounds of yeast A) 2.5	can produce B) 25	C)	tonnes of prote 250	ein within 24 hrs. D) 500
88.		ature above anisms as it can reduc B) 40	e co		eferred for industrially D) 37
89.	Workers in factory th	nat work with amylase B) Diabetes	are	at an increased	,

90.	Example for catabolic A) Citric acid	c product resulting from B) Nucleic acid		
91.	According to FSSAI re of respec A) 3.0% and 8.0% C) 1.5% and 9.0%		ed milk should have a B) 1.5% and 8.5% D) 3.5% and 8.5%	minimum fat and SNF
92.	Early blowing in cann A) Bacillus	ed dairy products is d B) Coliforms		D) All of these
93.	A) IgA	f immunoglobulin in m B) IgG		-
94.	The disappearance o A) Removal of oxyge B) Formation of redu C) Both (A) and (B) D) None		-	
95.	A psychrotrophic bac causing spoilage in m A) <i>Lactobacillus</i>			
96.		ial load and to encoura acture is severely heat B) Yoghurt	ted to 95°C for 5 min.	
97.	As per FSSAI microb butter are m = A) 10/g and 100/g	biological requirement and M = B) 50/g and 250/g		
98.	The biochemical test to produce acetyl me A) Horrell Elliker test C) Creatine test	thyl carbinol and diac	etyl is B) Hotis test	·
99.	Bacillus cereus poisoA) Food infectionC) Food intoxication	ning is an example fo	r B) Toxi infection D) None	
100.	Rennet causes destal A) Beta casein	bilization of casein mic B) Alpha casein		

Space for Rough Work