Α

**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.
- 10. 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.

Question Booklet SI. No.

Time : 90 Minutes

∢

1.	<ul> <li>What are the four fundamental form</li> <li>A) Weak nuclear form</li> <li>B) Strong nuclear form</li> <li>C) Weak nuclear form</li> <li>D) Electromagnetic form</li> <li>Identify the dimension</li> <li>A) Force</li> </ul>	idamental forces of na ce, Gravity, Electroma rce, Electromagnetic f ce, Electromagnetic fo orce, Gravity, Strong f nless quantity from the	ature igne orce orce nuc e fo B)	e from strongest to etic force, Strong r e, Weak nuclear fo , Gravity, Strong r lear force, Weak r llowing. Relative density	o weakest ? nuclear force orce, Gravity nuclear force nuclear force
	C) Stress		D)	Work	
3.	A particle moves al displacement of the p	ong a circular path o particle after one comp	of r	adius, r. What is e revolution ?	the distance and
	A) 2πr, 0	B) 0, 2πr	C)	πr, 0	D) 0, πr
4.	Which among the foll	lowing is a scalar qua	ntity	?	
	A) Displacement		B)	Acceleration	
	C) Pressure		D)	None of the abov	/e
5.	Which law is also kno	own as law of inertia ?	)		
	A) Newton's I law		B)	Newton's II law	
	C) Kepler's I law		D)	None of the abov	/e
6.	A moving body has k	inetic energy 50 J. Th	e w	ork done to stop t	he body is given by
	A) 25 J	B) 20 J	C)	50 J	D) 100 J
7.	Hooke's law is				
	A) Stress $\propto$ Strain <sup>3</sup>		B)	Stress ∝ √Strain	
	C) Stress $\infty$ Strain		D)	Strain $\propto \frac{1}{\text{Stress}}$	
8.	<ul> <li>Action of detergents</li> <li>A) Decreases the su</li> <li>B) Increases the viso</li> <li>C) Increases the sur</li> <li>D) None of the above</li> </ul>	rface tension of water cosity of water face tension of water e			

- 9. Sea breeze is based on
  - A) Radiation B) Convection
  - C) Conduction D) None of these
- 10. The relation connecting frequency (f) and time period (T) of a periodic motion is
  - A)  $f = 2\pi T$  B) f = 2T C)  $f = \frac{T}{2\pi}$  D)  $f = \frac{1}{T}$
- 11. Quantization of charge is
  - A)  $Q = \pm ne$ B)  $Q = n^2 e$ C)  $Q = \frac{n}{e}$ D) None of the above
- 12. Unit of electric potential is
  - A) Joule/CoulombB) Newton/CoulombC) Volt/MetreD) None of the above
- 13. Which among the following materials that obey Ohm's law ?
  - A) DiodesB) ConductorsC) Vacuum tubesD) Thermistors
- 14. A ferromagnetic substance above curie temperature
  - A) Becomes diamagnetic B) Becomes paramagnetic
  - C) Remains ferromagnetic D) None of the above
- 15. The principle behind transformer is
  - A) Self induction
  - C) Electromagnetic induction
- 16. Tuning of radio is based on
  - A) Electromagnetic induction
  - C) Resonance
- 17. Optical fibres works on the principle of
  - A) Reflection
  - C) Scattering

- B) Mutual induction
- D) None of the above
- B) Self induction
- D) None of the above
- B) Diffraction
- D) Total internal reflection

18.	In photoelectric effect depend on	, the number of photo	o ele	ectrons emitted pe	r se	cond
	A) Intensity of incider	nt light	B)	Frequency of inci	den	t light
	C) Wavelength of inc	ident light	D)	None of the abov	е	
19.	The source of energy	of the sun is				
	A) Compton effect		B)	Nuclear fission		
	C) Nuclear fusion		D)	Photoelectric effe	ect	
20.	The process of conve	ersion of alternating cu	urre	nt into direct curre	nt is	s known as
	A) Oscillation	B) Amplification	C)	Rectification	D)	Modulation
21.	<ul> <li>Which experiment is a</li> <li>A) Cathode ray disch</li> <li>B) Millikan's oil drop</li> <li>C) Rutherford α-ray s</li> <li>D) None of these</li> </ul>	responsible for finding arge tube method scattering experiment	g ou	t the charge of an	eleo	ctron ?
22.	Acetylene molecule h	as carbon in				
	A) sp hybridisation		B)	sp <sup>2</sup> hybridisation		
	C) sp <sup>3</sup> d hybridisation		D)	sp <sup>3</sup> hybridisation		
23.	Enthalpies of all elem	ents in their standard	sta	tes are		
	A) Unity		B)	Zero		
	C) < 0		D)	Different for each	ele	ment
24.	Identify the Lewis acid	d among the following	J.			
	A) OH <sup>−</sup>	B) H <sub>2</sub> O	C)	BF <sub>3</sub>	D)	NH <sub>3</sub>
25.	Which of the following	g is a buffer ?				
	A) HCI + NaCI		B)	NaOH + NaCl		
	C) HCI + KCI		D)	$NH_4OH + NH_4CI$		
26.	In the Lassaigne's tes	t for Nitrogen in an orc	ani	c compound, the P	russ	an blue colo

- 6. In the Lassaigne's test for Nitrogen in an organic compound, the Prussian blue colour is obtained due to the formation of
  - A)  $K_4[Fe(CN)_6]$  B)  $Fe_4[Fe(CN)_6]_3$  C)  $Na_4[Fe(CN)_6]$  D)  $Fe_2[Fe(CN)_6]$

- 27. Purification method used for separating Glycerol from Spent-lye in soap industry is
  - A) Sublimation
  - B) Crystallisation
  - C) Distillation under reduced pressure
  - D) Chromatography
- 28. Number of moles of the solute per kilogram of the solvent is
  - A) Mole fraction B) Molality
  - C) Molarity D) Mass %
- 29. Which of the following is an example for an ideal solution ?
  - A) Ethanol + acetone B) Phenol + aniline
  - C) Acetone + chloroform D) Benzene + toluene
- 30. The conversion of molecules-A to B follows second order kinetics. If the concentration of A is increased to two times how will it affect the rate of formation of B ?
  - A) Rate will increase two times B) Rate will increase four times
  - C) Rate remains constant D) Rate will increase six times

31. Choose the correct expression for Arrhenius equation.

	A) $k = Ae^{Ea_{RT}}$		B)	$lnk = \frac{Ea}{RT} + lnA$		
	C) $lnk = \frac{Ea}{RT} - lnA$		D)	$\mathbf{k} = \mathbf{A}\mathbf{e}^{-Ea/RT}$		
32.	The Carbon-Oxygen	bond length in phenol	is			
	A) 142 pm	B) 141 pm	C)	136 pm	D)	130 pm
33.	During fermentation v	which gas is released	?			
	A) O <sub>2</sub>	B) SO <sub>2</sub>	C)	CO <sub>2</sub>	D)	NO <sub>2</sub>
34.	Identify allylic alcohol	from the following.				
	A) CH <sub>2</sub> = CH - OH	I	B)	CH <sub>2</sub> OH		
	C) CH <sub>3</sub> — CH <sub>2</sub> — CI	H <sub>2</sub> — OH	D)	$CH_2 = CH - CH$	H₂ —	– OH

35. Fill in the reagents for the given conversions :

 $\begin{array}{c} \mathsf{CH}_3 - \mathsf{CO} - \mathsf{CI} \xrightarrow{\mathbf{A}} \mathsf{CH}_3 - \mathsf{CHO} \xrightarrow{\mathbf{B}} \mathsf{CH}_3 \mathsf{CH}(\mathsf{OH}) - \mathsf{CH}_2 - \mathsf{CHO} \xrightarrow{\mathbf{C}} \mathsf{CH}_3 - \mathsf{CH} = \mathsf{CH} - \mathsf{CHO}. \end{array}$ С Α B hydrolysis A) NaOH heat B) Pd/BaSO<sub>4</sub> dil.NaOH heat C) I<sub>2</sub>/NaOH LiAIH<sub>4</sub> H<sub>3</sub>O<sup>+</sup> D)  $(CH_3)_2Cd$ dil.NaOH heat 36. Carboxylic acid can be prepared from Grignard reagent by the reaction with A) Ammonia B) Water C) Chromic acid D) Carbon dioxide 37. General formula of Carboxydrate is B)  $C_{x}(H_{2}O)_{2v}$ C) C<sub>x</sub>H<sub>2</sub>O D) C<sub>x</sub>H<sub>(2v+1)</sub>O A)  $C_x(H_2O)_v$ 38. In fibrous protein polypeptide chains are held together by A) Van der Waal's force B) Electrostatic force of attraction C) Hydrogen and disulphide bonds D) None of these Enzyme which can catalyze hydrolysis of maltose to glucose is A) Zymase B) Maltase C) Invertase D) Diastase 40. Which choice contains all the three molecular units found in nucleotides ? A) Amino acid, sugar, nitrogen containing base B) Phosphate, sugar, amino acid C) Phosphate, nitrogen containing base, sugar D) Nitrogen containing base, peptide linkage, sugar Geitonogamy is the transfer of pollen grains from A) Anther to stigma of the same flower B) Anther to stigma of the different plant of two species

- C) Anther to stigma between different plants of same species
- D) Anther to stigma between two flowers of the same plant

42.	From the list of fruits below select true fruit.				
	A) Apple		B)	Cashew	
	C) Mango		D)	Strawberry	
				-	
43.	Choose the selectabl	e marker gene of clor	ning	vector pBR 322.	
	A) Bam Ifl	B) ampR	C)	Clal	D) Pvul
44	Rosie is a transcenic	animal. It belongs to			
	A) Monkey	B) Pig	C)	Cow	D) Bat
	ny workey		0)	Cow	D) Hat
45.	The population intera	ction between Barnad	les	and Whale is	
	A) Commensalism		B)	Amensalism	
	C) Mutualism		D)	Parasitism	
46	From the following lie	t of staridashytas aba			ntoridonbuto
40.	A) Deileture	t of plendophyles cho			plendophyle.
	A) Psilotum		B)	Selaginella	
	C) Equisetum		D)	Pteris	
47.	Parietal placentation	is found in			
	A) Dianthus	B) Primrose	C)	Argemone	D) Marigold
4.0	<b>N</b>				
48.	Name the stage at w	hich synapsis of hon	nolc	gous chromosom	es appears during
	<ul> <li>A) Zvgotene</li> </ul>		B)	Lentotene	
	C) Diplotene		נס וח	Diakinesis	
	O) Diploterie		0)	Diakinesis	
49.	Name the first stable	product of Carbon did	oxid	e fixation in C <sub>4</sub> pla	ants.
	A) Phosphoenolpyru	vate	B)	Oxaloacetic Acid	
	C) Phosphoglyceric	Acid	D)	Phosphoglucolate	e
50	Respiratory Quotient	(RO) is			
50.					
	A) $RQ = \frac{Volume c}{Volume of A}$	of $O_2$ evolved	B)	$RQ = \frac{Volume of}{Volume}$	$CO_2$ consumed
	volume of (	$U_2$ consumed		volume	$O_2$ evolved
	C) $BQ = \frac{Volume of}{Volume of}$	CO <sub>2</sub> evolved	D)	$BQ = \frac{Volume of}{Volume of}$	$O_2$ consumed
	Volume of (	$O_2$ consumed	-/	Volume of	$\rm CO_2$ evolved

- 51. Which statement is not correct about Osteoporosis ?
  - A) It is an age related disorder
  - B) Increased levels of estrogen is a common cause of it
  - C) In this chance of fractures increased
  - D) In this bone mass is decreased
- 52. Enzymes which catalyse transfer of a group other than hydrogen, belong to the class
  - A) Dehydrogenase
  - B) Lyase
  - C) Isomerase
  - D) Transferase
- 53. Which of the following are sensory organs in Phylum Arthropoda ?
  - 1. Simple or compound eye.
  - 2. Statocyst or balancing organ.
  - 3. Malpighian tubules.
  - 4. Antennae.
  - A) All except 4 B) All except 1
  - C) All except 2 D) All except 3
- 54. Which of the following is not a goal of Human Genome Project ?
  - A) Identify all the approximately 20,000-25,000 genes in human DNA
  - B) Store this information in databases
  - C) Restrict the related technologies, so that the other sectors do not benefitted with it
  - D) Address the ethical, legal and social issues
- 55. Sacred groves are one of the important means of biodiversity conservation. In respect of this, find out the odd one.
  - A) Aravalli Hills Rajasthan
  - B) Khasi and Jaintia Hills Meghalaya
  - C) Sarguja, Chanda and Bastar Tamil Nadu
  - D) Western Ghat Karnataka and Maharashtra

- 56. Match the following :
  - 1. Pectinases i. Blood cholesterol lowering agents
  - 2. Streptokinases ii. Immuno suppressive agents
  - 3. Cyclosporin A iii. Clot busters
  - 4. Statin iv. Clarifying agents
  - 1 2 3 4
  - A) iv iii ii i
  - B) iv iii i ii
  - C) iii iv ii i
  - D) i ii iii iv

57. Find the incorrect matching.

- A) Hypertension High blood pressure
  B) CAD Athero sclerosis
- C) Heart failure Heart attack
- D) Stroke volume Beat volume
- 58. The process of evolution of different species in a given geographical area starting from a point and literally radiating to other areas of geography is called
  - A) Convergent evolution B) Adaptive radiation
  - C) Parallel evolution D) Continental drift
- 59. Match the source gland with its respective hormone and function and select correct option.

	Gland	Hormone	Function
A)	Pineal gland	Melatonin	Regulation of 24 hours (diurnal) rhythm in man
B)	Posterior pituitary	Oxytocin	Stimulate the reabsorption of water in the distal tubules (in the nephron) of kidney of man
C)	Corpus luteum	Testosterone	Formation of spermatozoa in man
D)	Thymus gland	Thyroxin	Regulate the blood calcium level of human beings

60.	<ul> <li>Assertion : Sex of human body is determined by father, not by mother.</li> <li>Reason : XY chromosome is present in human male.</li> <li>Read the above assertion and reason carefully to select the correct option out of the options given below :</li> </ul>					
	<ul> <li>A) If both the assertion and reason are true and the reason is a correct explanation of the assertion</li> </ul>					
	<ul> <li>B) If both the asserti explanation of the</li> </ul>	on and reason are true assertion	ie, but the reason is n	ot a correct		
	C) If the assertion is	true, but the reason i	s false			
	D) If both the asserti	on and reason are fal	se			
61.	Let A and B are two	sets such that $n(A) =$	3, n(B) = 4, then n(A×	B) equals		
	A) 7	B) 12	C) 27	D) 16		
62.	What is the derivative	e of log3 ?				
	A) 3	B) 1/3	C) $\sqrt{3}$	D) 0		
63.	$\lim_{x \to \frac{\pi}{4}} (\sin x + \cos x) eq$	uals				
	A) 2	B)	C) 0	D) None of these		
64.	In the expansion of (a	a+b) <sup>2n</sup> , which is the m	niddle term ?			
	A) t <sub>n</sub>	B) t <sub>n+1</sub>	C) t <sub>n-1</sub>	D) t <sub>2n</sub>		
65.	How many chords ca	n be drawn through 8	3 points on a circle ?			
	A) 20	B) 28	C) 56	D) 16		
66.	3! – 2! equals					
	A) 1	B) 2	C) 3	D) 4		
67.	Find the number of p	ermutations using all	the letters of the word	I ALLAHABAD.		
	A) 7650	B) 7560	C) 6570	D) 6750		
68.	Three coins are toss	ed once. What is the	probability of getting a	tmost 2 heads ?		
	A) <u>7</u> 8	B) <u>3</u>	C) $\frac{1}{8}$	D) $\frac{1}{2}$		

69.	How many terms of a geometric progression 1, 2, 2 <sup>2</sup> , are needed to give the sum 63 ?			
	A) 5	B) 4	C) 6	D) 3
70.	The interval in which A) $(-\infty, 2)$	the function f given by B) [2, $\infty$ )	$f(x) = x^2 - 4x + 6$ is s C) $(-\infty, 2]$	strictly increasing is D) (2, ∞)
71.	Which of the following A) {(1, 1), (2, 2), (3, 3) C) {(1, 1), (3, 3), (1, 3)	g relations on A = {1, } 3)} 3), (3, 1)}	2, 3} is an equivalence B) {(1, 1), (2, 2), (3, D) {(2, 2), (1, 2), (2,	e relation ? 3), (1, 2)} 1)}
72.	The function given f : A) One-one and onto C) Not one-one and	$N \rightarrow N$ by f(x) = 2x is not onto	<ul><li>B) One-one but not</li><li>D) Onto but not one</li></ul>	onto -one
73.	$Sin^{-1}$ (sinx) = x is def	ined on		
	A) $\mathbf{x} \in \left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$ C) $\mathbf{x} \in [0, \pi]$		B) $x \in (-\pi/2, \pi/2)$ D) $x \in (0, \pi)$	
74.	The slope of the tang A) 6	ent to the curve y = x B) 11	<sup>3</sup> – x at x = 2 is C) 12	D) 10
75.	If $f(x) = 8x^3$ and $g(x) = 8x^3$	= x <sup>1⁄3</sup> , the (g∘f) (x) is		
	A) 8x	B) 2x <sup>3</sup>	C) 2x	D) x <sup>3</sup>
76.	The number of all pos	ssible 2×2 matrices w	ith entries 0 or 1 is	
	A) 16	B) 9	C) 8	D) 25
77.	The value of $\begin{vmatrix} x & x \\ x+1 \end{vmatrix}$			
	A) – 1	B) x	C) x <sup>2</sup>	D) 1
78.	If A and B are square A) $A^2 - B^2$ C) $A^2 - B^2 + BA - AB$	e matrices of the same	e order, then (A+B) (A B) A <sup>2</sup> – BA – AB – E D) A <sup>2</sup> – BA + B <sup>2</sup> + A	– B) equal to 3 <sup>2</sup> B

79. If A is a  $3\times3$  matrix with |A| = 5, then |adj A| is

A) 
$$\frac{1}{5}$$
 B)  $\frac{1}{25}$  C) 5 D) 25  
80. Let  $A = \begin{bmatrix} 1 & 3 \\ -2 & 4 \end{bmatrix}$  then adj A is  
A)  $\begin{bmatrix} 4 & -3 \\ 2 & 1 \end{bmatrix}$  B)  $\begin{bmatrix} 1 & -3 \\ 2 & 4 \end{bmatrix}$  C)  $\begin{bmatrix} 4 & 3 \\ -2 & 1 \end{bmatrix}$  D)  $\begin{bmatrix} -1 & 3 \\ -2 & -4 \end{bmatrix}$   
81. Which of the following extrement is correct respecting robu entite 2

81. Which of the following statement is correct regarding zebu cattle ?

1. They are well adapted to tropical climate.

2. They have low nutritional requirements.

3. They have low disease resistance.

4. They have high potential for milk production.

- A) 1 only B) 1 and 2 only C) 1, 2 and 3 only D) 1, 2, 3 and 4
- 82. The first phase of operation flood was financed by the sale of skim milk powder and butter oil gifted by
  - A) United Nations B) World Bank
  - C) European Economic Community D) USA
- 83. Which of the following statement is/are correct regarding Operation Flood (OF) program ?
  - 1. OF phase 1 started in 1962.
  - 2. OF phase 2 started in 1979.
  - 3. OF phase 2 concluded in 1981.
  - A) 1 only B) 2 only C) 1 and 2 only D) All of the above
- 84. Which of the following are the objectives of "National Project for Cattle and Buffalo Breeding" (NPCBB) ?
  - 1. Arrange delivery of vastly improved artificial insemination service at the farmers door-step.
  - 2. Bring all breedable females among cattle and buffalo under organized breeding through artificial insemination or natural service.
  - 3. Undertake breed improvement programme for indigenous cattle and buffaloes.
  - A) 1 only B) 2 only C) 1 and 2 only D) All of the above

85.	lt i	s recommended to	withdraw milk feedin	g of	calves at	of age.
	A)	1.5 – 2 months		B)	2.5 – 3 months	
	C)	3.5 – 4 months		D)	4.5 – 5 months	
86.	WI	nich of the followin	g is/are not true abou	t da	iry cattle housing '	?
	1.	The floor may be	given a slope of 1 in 8	85 d	lepending upon the	e type of flooring.
	<ol> <li>The length and width of standing space is kept variable from 1.5 to 1.7 m and 1 to 1.2 m per animal respectively.</li> </ol>					1.5 to 1.7 m and
	3.	All edges in recta as possible.	ngular fixtures have to	o be	rounded and finis	hed smooth as far
	A)	1 only	B) 2 only	C)	1 and 2 only	D) All of the above
87.		grass is	formed by a cross be	etwe	en elephant grass	and bajra.
	A)	Guinea	B) Signal	C)	Hybrid Napier	D) Multicut bajra
88	\\/	nich of the followin	a is not a sanitizina a	aent	tused in dairving '	2
00.	A)	Boiling water		B)	Chlorine	·
	C)	Quaternary ammo	onium compounds	D)	Detergents	
	- /	, , , , , , , , , , , , , , , , , , ,		,		
89.	LT	LT pasteurization	is done at			
	A)	72°C for 15 sec		B)	63°C for 15 sec	
	C)	72°C for 30 min		D)	63°C for 30 min	
90.	Th	e pricing of milk in	dairy cooperatives in	Ind	ia is based on	
	A)	Quantity/weight o	f milk only	B)	Fat content only	
	C)	Fat and SNF cont	tent	D)	Fat, SNF and mid	crobial count
91	Th	e minimum fat and	SNF content of tone	d m	ilk as ner ESSA st	andard is
51.	A)	3 and 8.5	B) 1.5 and 9	C)	3 and 9	D) 3.2 and 8.5
	,		_,	- /		_,
92.	WI	nich of the followin	g platform test help in	fino	ding the heat stabi	lity of milk ?
	A)	MBRT test		B)	Lactometer readi	ng
	C)	Clot on boiling tes	st	D)	Standard plate co	ount
93.	Mi	nimum per cent mi	ilk fat in ice cream as	per	FSSA standard is	
	A)	15 per cent	B) 10 per cent	C)	12 per cent	D) 8 per cent
		-	-	,	-	-

- 94. Which of the following microorganisms is not responsible for the fermentation of milk into curd/dahi ?
  - A) Lactobacillus casei B) Lactobacillus bulgaricus
  - C) Streptococcus thermophilus D) Escherichia coli
- 95. Which dairy product results from the coagulation of milk proteins by acidification/ enzyme action ?
  - A) Cheese B) Butter C) Whey protein D) Milk powder
- 96. What is the primary function of a hydrometer in dairy quality control ?
  - A) Measuring pH
  - B) Determining microbial load
  - C) Assessing milk solids-not-fat (SNF) content
  - D) Testing for antibiotics
- 97. What is the reason for conducting a sensory evaluation of dairy products ?
  - A) To determine the microbial count
  - B) To assess consumer preferences and product attributes
  - C) To measure the product shelf life
  - D) To calculate the viscosity of the product
- 98. When conducting quality control for dairy product packaging, what is the primary objective of evaluating seals and closures on containers ?
  - A) To check for proper labeling
  - B) To ensure that the milk is properly pasteurized
  - C) To confirm the product's pH
  - D) To maintain product freshness and prevent contamination
- 99. Which of the following milk products does not contain sucrose ?
  - A) Sweetened condensed milk B) Dairy whitener
  - C) Skim milk powder D) Srikhand
- 100. Which of the following fat rich dairy products does not contain protein ?
  - A) Ghee B) Cream C) Butter D) Malai

Space for Rough Work