Booklet No. :



FT - 16 Food Technology

Duration of Test : 2 Hours

Max. Marks: 120

Hall Ticket No.

Name of the Candidate :_____

Date of Examination :_____OMR Answer Sheet No. : _____

Signature of the Candidate

Signature of the Invigilator

INSTRUCTIONS

- 1. This Question Booklet consists of **120** multiple choice objective type questions to be answered in **120** minutes.
- 2. Every question in this booklet has 4 choices marked (A), (B), (C) and (D) for its answer.
- 3. Each question carries **one** mark. There are no negative marks for wrong answers.
- 4. This Booklet consists of **16** pages. Any discrepancy or any defect is found, the same may be informed to the Invigilator for replacement of Booklet.
- 5. Answer all the questions on the OMR Answer Sheet using **Blue/Black ball point pen only.**
- 6. Before answering the questions on the OMR Answer Sheet, please read the instructions printed on the OMR sheet carefully.
- 7. OMR Answer Sheet should be handed over to the Invigilator before leaving the Examination Hall.
- 8. Calculators, Pagers, Mobile Phones, etc., are not allowed into the Examination Hall.
- 9. No part of the Booklet should be detached under any circumstances.
- 10. The seal of the Booklet should be opened only after signal/bell is given.



FOOD TECHNOLOGY (FT)

1.	The pigment type in brinjal is										
	(A)	Carotenoid	(B)	Anthocyanin	(C)	Caramel	(D)	Chlorophyll			
2.	Phyto	l chain is prese	nt in								
	(A)	Carotenoids	(B)	Chlorophyll	(C)	Hemoglobin	(D)	Phycocyanin			
3.	Which	amino acid ha	is an a	romatic pheno	lic sid	e chain ?					
	(A)	Histidine	(B)	Cysteine	(C)	Tyrosine	(D)	Tryptophan			
4.	Hops	are used in the	manu	facture of							
	(A)	Wine	(B)	Beer	(C)	Vinegar	(D)	All of these			
5.	Protei	Proteins taking part in the perception of image are									
	(A)	Rhodopsin and pepsin				Rhodopsin and iodopsin					
	(C)	Pepsin and iodopsin			(D)	All the three	as ab	ove			
6.	This e	mulsifier is am	phote	ric :							
	(A)	Glyceryl monostearate				Sodium stear	oylla	ctylate			
	(C)	Lecithin			(D)	None of the a	above	5			
7.	Bacter	ria do not survi	ve in l	highly salted p	ickles	because					
	(A)	Bacteria are k	illed t	y plasmolysis							
	(B)	Salt inhibits re	eprodu	uction							
	(C)	Pickles do not	t conta	ain essential nu	trients	5					
	(D)	Bacteria do no	ot get	enough light							
8.	Aflato	oxin is a type of	f								
	(A)	Plant toxin			(B)	Fungal toxin					
	(C)	Bacterial toxi	n		(D)	None of the a	above				
9.	Polv a	romatic hydrod	carbor	is are a type of							
	(A)	Plant toxin			(B)	Fungal toxin					
	(C)	Bacterial toxi	n		(D)	Environment	al cor	ntaminant			
Set -					2						
~~~					-						

10.	Whic	ich of the following has no aldehyde or ketonic group?									
	(A)	Fructose	(B)	Glucose	(C)	Sucrose	(D)	Maltose			
11.	Adeq	uacy of blanch	ing of	fruits and vege	etables	milk is gene	rally ji	udged by			
	(A)	Amylase test			(B)	Lipase test					
	(C)	Peroxidase te	st		(D)	Phosphatase	e test				
12.	This	sweetener is a p	oroteir	n :							
	(A)	Saccharin	(B)	Monellin	(C)	Stevioside	(D)	Dulcin			
13.	The b	pioactive compo	ound i	n pepper is							
	(A)	Piperidine	(B)	Piperizine	(C)	Piperine	(D)	Piperidizine			
14.	Whic	hich fatty acid is essential and has three double bonds ?									
	(A)	Linoleic acid				Linolenic ad	cid				
	(C)	Arachidonic a	acid		(D)	None of the	above	:			
15.	The p	orimary structur	e of a	protein is due	to						
	(A)	Hydrogen bo	nds		(B)	Peptide bon	ds				
	(C)	S-S linkage			(D)	Ionic bonds					
16.	This	is not a metallo	protei	n :							
	(A)	Phytochrome	(B)	Cytochrome	(C)	Glycoprotei	n (D)	Ferrodoxine			
17.	This	compound is re	spons	ible for bitter t	aste in	grapefruit :					
	(A)	Limonin	(B)	Naringenin	(C)	Naringin	(D)	Both (B) & (C)			
18.	Enzy	me A has a K _m	of 10 ⁻	⁻² M, while enz	zyme l	B has a K _m of	10-4	M. Which fact is true	e ?		
	(A)	Enzyme B ha	s stro	nger affinity to	the su	bstrate than I	Enzym	e A.			
	(B)	Enzyme A ha	is a sti	conger affinity	to the	substrate thar	ı Enzy	me B.			
	(C)	Both have sir	nilar a	affinity for the	substra	ate.					
	(D)	K _m is not rela	ted to	the affinity of	the su	bstrate.					
19.	This	glycoside has a	steroi	idal backbone :							
- •		~ · ·									
	(A)	Saponins			(B)	Naringin					
	(A) (C)	Saponins Anthocyanin			(B) (D)	Naringin None of the	above				

20.	Coenzymes FMN and FAD are derived from Vitamin									
	(A)	B ₁	(B)	B ₂	(C)	B ₆	(D)	B ₁₂		
21.	This s	sugar can be to	olerated	l by diabetics :						
	(A)	Lactose	(B)	Maltose	(C)	Fructose	(D)	Glucose		
22.	Whic	h of these vita	mins is	s sulphur conta	ining ?					
	(A)	Folic acid			(B)	Pantothenic	Pantothenic acid			
	(C)	Biotin			(D)	All of the ab	ove			
23.	Deficiency of this vitamin results in excessive hemorrhage :									
	(A)	Α	(B)	K	(C)	В	(D)	E		
<b>24.</b> Anaerobic respiration of animals produces										
	(A)	$C_2H_5OH + C_2H_5OH$	CO ₂		(B)	Lactic acid -	⊦ wate	er		
	(C)	C) Glucose + $O_2$				$CO_2 + H_2O$				
25.	A goo	od quality ice-o	cream	should have						
	(A)	Small numbe	er of sr	nall sized ice c	rystals	8				
	(B)	Small numbe	er of la	rge sized ice c	rystals					
	(C)	Large numbe	er of sr	nall sized ice c	rystals	8				
	(D)	Large numbe	er of la	rge sized ice c	rystals	1				
26.	Stalin	ng of <i>idlis</i> is du	ie to							
	(A)	Denaturation	n of pro	otein	(B)	Gelatinizatio	on of s	starch		
	(C)	Retrogradati	opn of	starch	(D)	All of the ab	ove			
27.	This _I	polysaccharide	e is pre	sent in oats :						
	(A)	α-Glucan	(B)	β-Glucan	(C)	α, β-Glucan	(D)	All of the above		
28.	Whic	h sugar will gi	ve max	ximum Maillar	d brov	vning on react	tion w	ith amino acid ?		
	(A)	Glucose	(B)	Fructose	(C)	Lactose	(D)	Sucrose		
Set -	Α				4					

29.	Suga	rs mainly present in honey are									
	(A)	Glucose and galactose	(B)	Galactose and fructose							
	(C)	Glucose and fructose	(D)	All the three sugars as above							
30.	28°B	28°B sugar solution can be performed by adding									
	(A)	28g sugar in 72 ml water	(B)	28g sugar in 1L of water							
	(C)	28g sugar in 100 ml water	(D)	None of the above							
31.	Speci	ific gravity can be used to estimate	e								
	(A)	Protein in a beverage	(B)	Minerals in water							
	(C)	Alcohol in beer and wine	(D)	None of the above							
32.	Nutra	aceuticals associated with Age Rel	lated Ma	cular Degeneration are							
	(A)	Lycopene and lutein	(B)	Zeaxanthin and lycopene							
	(C)	Lutein and zeaxanthin	(D)	All the three as above							
33.	This	product has the lowest water activ	ity:								
	(A)	Watermelon (B) Jam	(C)	Potatoes (D) Ice frozen at -50°C							
34.	Conc	hing and refining are operations ir	nvolved	in							
	(A)	Coffee processing	(B)	Cocoa processing							
	(C)	Spice processing	(D)	None of the above							
35.	Brea the t	ad samples A and B have a bulk following is true ?	density (	of 0.430 and 0.330, respectively. Which of							
	(A)	Texture of A is softer than B.	(B)	Texture of B is softer than A.							
	(C)	Texture of A and B are similar.	(D)	Bulk density is not correlated to texture.							
36.	Over	run in ice-cream is generally									
	(A)	10-40% (B) 40-70%	(C)	90-100% (D) ~200%							
37.	A peo	culiar amino acid present in bacter	ial cell v	wall is							
	(A)	Glutamate	(B)	Alanine							
	(C)	Diaminopimelic acid	(D)	Aspartate							
Set -	A		5	FT							

38.	In ase	eptic processing	g, ster	ilization of pa	ckaging	material is	achieve	ed
	(A)	by passing th	rough	an alcohol ba	ıth			
	(B)	by passing u	nder U	V lamp				
	(C)	by passing th	rough	hydrogen per	oxide			
	(D)	by passing th	rough	IR lamp				
39.	Carbo	onation of beve	erages	is best done a	t			
	(A)	10 °C	(B)	20 °C	(C)	30 °C	(D)	40 °C
40.	Mass	spectrometry i	is base	d on				
	(A)	Charge of the	(B)	Mass of the molecule				
	(C)	Mass/Charge	e ratio		(D)	None of the	e above	2
41.	This ]	polysaccharide	is of 1	microbial orig	in :			
	(A)	Guar gum			(B)	Gum traga	canth	
	(C)	Xanthan			(D)	Gum karay	'a	
42.	Oleoi	esins are obtai	ned fr	om				
	(A)	Oilseeds	(B)	Oils	(C)	Seeds	(D)	Spices
43.	Freez	ing takes longe	er than	thawing unde	er other	wise similar	condit	ions because
	(A)	Thermal con	ductiv	ity of ice is m	ore thar	n that of liqu	id wate	er
	(B)	Density of ic	e is le	ss than that of	liquid v	water		
	(C)	Specific heat	of ice	is less than th	nat of lie	quid water		
	(D)	All the above	2					
44.	This	water is most s	uitable	e for carbonat	ion of b	everages :		
	(A)	Soft water			(B)	Mildly har	d	
	(C)	Medium hard	1		(D)	Very hard		
45.	The c	olour of black	tea is	due to				
	(A)	Oxidation of	carbo	hydrates	(B)	Oxidation	of lipid	S
	(C)	Oxidation of	chlore	ophyll	(D)	None of the	e above	<b>;</b>
Set -	Α				6			

46.	• Effluent from this industry will have maximum BOD :									
	(A)	Orange juice processing	(B)	Whey from cheese processing						
	(C)	Bread processing	(D)	Black tea processing						
47.	Paste	urization of milk is achieved by hea	ting							
	(A)	72 °C for 15 seconds	(B)	72 °C for 30 seconds						
	(C)	82 °C for 15 seconds	(D)	82 °C for 30 seconds						
48.	This _J	polymer is biodegradable :								
	(A)	Polypropylene	(B)	Polyester						
	(C)	Polylactic acid	(D)	Polyvinyl chloride						
49.	This _J	packaging material would have low	est W	VTR :						
	(A)	Paper (B) Glass	(C)	Polyethylene (D) Polyester						
50.	Sauer	kraut is a type of								
	(A)	Meat	(B)	Fermented cabbage						
	(C)	Fermented cereal based product	(D)	Wine						
51.	Mayo	onnaise is an emulsion of the type								
	(A)	Water-in-oil	(B)	Oil-in-water						
	(C)	Water-in-oil-in-water	(D)	Oil-in-water-in-oil						
52.	The r	heological behaviour of tomato keto	chup is	S						
	(A)	Newtonian	(B)	Dilatant fluid						
	(C)	Pseudoplastic fluid	(D)	Bingham plastic						
53.	This s	spectrophotometry is used for analy	sis of	minerals						
	(A)	Flame spectrophotometer								
	(B)	Mass spectrophotometer								
	(C)	Atomic absorption spectrophotom	eter							
	(D)	All of the above								
54.	Malto	odextrins are characterized in terms	of							
	(A)	Dextrinising Units	(B)	Dextrose Equivalent						
	(C)	Dextrinising Equivalent	(D)	All of the above						
Set ·	A		7							

55.	The p	rinciple of lyophilization is based on								
	(A)	Boiling of wa	ater		(B)	Sublimation of	f water			
	(C)	Freezing of w	vater		(D)	All of the above	ve			
56.	Goss	ypol is a toxic o	constit	uent in this oil	:					
	(A)	Groundnut	(B)	Rapeseed	(C)	Cottonseed (	D) Jatropa			
57.	This i	is an assay for a	antiox	idant activity :						
	(A)	DPPH assay	(B)	FRAP assay	(C)	ABTS assay (	D) All of these			
58.	Olive	oil is a rich so	urce o	f						
	(A)	Polyunsatura	ted fat	ty acids	(B)	Saturated fatty acids				
	(C)	Monounsatur	ated fa	atty acids	(D)	None of the ab	oove			
59.	The bioactive nutraceutical component present in rice bran oil is									
	(A)	Vitamin A	(B)	Coenzyme A	(C)	Phytosterols (	D) Oryzanol			
60.	A goo	od frying oil sh	ould h	ave						
	(A)	Low smoke point and low flash point								
	(B)	High smoke p	point a	und high flash p	point					
	(C)	Low smoke p	ooint a	nd high flash p	oint					
	(D)	High smoke J	point a	and low flash p	oint					
61.	Sodiu	ım nitrite in me	eat pro	cessing brings	about					
	(A)	Formation of	nitros	samine						
	(B)	Retention of	colour	•						
	(C)	Inhibition of	Clostr	ridium botulinu	m					
	(D)	All of the abo	ove							
62.	As co	ompared to coco	onut o	il, groundnut o	il has					
	(A)	Low saponifi	cation	value and low	iodin	e value				
	(B)	High saponif	icatior	n value and hig	h iodi	ne value				
	(C)	High saponif	icatior	n value and low	v iodin	e value				
	(D)	Low saponifi	cation	value and high	n iodir	ne value				

63.	Vitan	nins not preser									
	(A)	Vitamins A,	D and	Е	(B)	Vitamins A,	K and	d B ₁			
	(C)	Vitamins A,	D and	B ₁₂	(D)	Vitamins D,	B ₁ an	d B ₁₂			
64.	β-An	nylase cleaves	starch	to							
	(A)	Glucose	(B)	Maltose	(C)	Limit dextri	n (D)	All of these			
65.	These	e amino acids	give a	yellow colour o	on read	n reaction with aniline hydrogen phthalate					
	(A)	Proline and valine				Valine and h	ydrox	xyproline			
	(C)	Leucine and proline				Proline and	hydro	xyproline			
66.	This ]	polysaccharide	e is a p	olymer of galct	uronia	c acid :					
	(A)	Cellulose	(B)	Chitin	(C)	Pectin	(D)	Amylopectin			
67.	The l	imiting amino	acid ir	n cereals is :							
	(A)	Lysine	(B)	Methionine	(C)	Valine	(D)	Leucine			
68.	This ]	protein is a tra	nsport	protein :							
	(A)	Collagen	(B)	Hemoglobin	(C)	Hordein	(D)	Glycoprotein			
69.	This a	amino acid is j	precurs	or of niacin							
	(A)	Tyrosine	(B)	Methionine	(C)	Tryptophan	(D)	Arginine			
70.	This a	amino acid is t	he pre	cursor of ethyle	ene in	fruits :					
	(A)	Cystine	(B)	Valine	(C)	Histidine	(D)	Methionine			
71.	Paste	urization of m	ilk is a	imed to inhibit							
	(A)	Bacillus sub	tilis		(B)	Salmonella i	typhin	nurium			
	(C)	Mycobacteri	um tuk	perculosis	(D)	Vibrio cholerae					
72.	Durir	ng cooking, ric	e unde	rgoes							
	(A)	Hydrolysis o	of starc	h	(B)	Gelatinizatio	on of s	starch			
	(C)	Retrogradati	on of s	tarch	(D)	All of the ab	ove				
Set -	A				9						

73.	The te	exture in jams i	s due	to						
	(A)	Pectin and su	gar		(B)	Pectin and a	cid			
	(C)	Sugar and aci	d		(D)	All the three	as ab	ove		
74.	A pho	ospholipid prese	ent in	egg yolk is						
	(A)	Phytosterol	(B)	Cholesterol	(C)	Lecithin	(D)	All of these		
75.	This _I	polysaccharide	is pre	sent in the exos	skeleton of prawns and crabs :					
	(A)	Pectin	(B)	Chitin	(C)	Chitosan	(D)	Cellulin		
76.	Secor	ndary structure	of a p	rotein is due to						
	(A)	Hydrogen bor	nds		(B)	Peptide bond	ls			
	(C)	Hydrophobic	assoc	iations	(D)	All of the ab	ove			
77.	The d	eficiency of thi	is vita	min is responsi	ble fo	r megaloblast	ic ane	mia		
	(A)	Folic acid	(B)	B ₆	(C)	B ₁₂	(D)	All of these		
78.	Acid	insoluble ash ir	n flour	· is an indicatio	n of					
	(A)	(A) Flour is contaminated with microorganisms								
	(B)	(B) Flour is made from sprouted wheat								
	(C)	Flour is made	from	wheat not clea	ned pi	roperly				
	(D)	All of the abo	ove							
79.	This i	s an indicator o	of inse	ct infestation in	n cerea	al and legume	flour	s :		
	(A)	Uric acid	(B)	Citirc acid	(C)	Acetic acid	(D)	All of these		
80.	In veg	getables like ok	ra or	<i>'bhendi'</i> , the m	ucilag	e is made up	of			
	(A)	Glucose and a	manno	ose	(B)	Galactose ar	nd mai	nnose		
	(C)	Glucose and g	galacto	ose	(D)	All of the ab	ove			
81.	This 1	mineral is assoc	ciated	with goiter						
	(A)	Calcium	(B)	Sodium	(C)	Iodine	(D)	Magnesium		
82.	The a	stringency in te	ea is a	ttributed to						
	(A)	Proteins	(B)	Carbohydrate	s(C)	Polyphenols	(D)	All of these		
Set -	A				10					

83.	This c	can work as a c	ocoa ł	outter substitu	te :				
	(A)	Coconut oil			(B)	Hydrogenatt	ed ve	getable fat	
	(C)	Mango kerne	l fat		(D)	All of the ab	ove		
84.	This s	starch has the b	iggest	size among th	ne follo	owing :			
	(A)	Rice	(B)	Wheat	(C)	Potato	(D)	Corn	
85.	A dia	betic would be	nefit n	nost from					
	(A)	Food having 1	low G	I	(B)	Food having low cholesterol			
	(C)	Food having	low sc	odium	(D)	All of the above			
86.	Ajino	moto is chemic	ally						
	(A)	Monosodium	aspar	tate	(B)	Monosodiun	n gluta	amate	
	(C)	Disodium asp	artate		(D)	Disodium gl	utama	ate	
87.	Amor	ng the following	g, this	is the richest	source	of vitamin C	:		
	(A)	Orange juice	(B)	Amla juice	(C)	Grape juice	(D)	Litchi juice	
88.	The h	ydrocolloid sho	owing	maximum hy	steresis	s is :			
	(A)	Gelatin	(B)	Alginate	(C)	Agar	(D)	Starch	
89.	Tetraj	pyrrole structur	e is co	ommon betwe	en				
	(A)	Chlorophyll a	nd lyc	copene	(B)	Haemoglobi	n and	lycopene	
	(C)	Chlorophyll a	nd ha	emoglobin	(D)	All of the ab	ove		
90.	The c	o-factor for the	enzyı	me polypheno	l oxida	se is			
	(A)	Magnesium	(B)	Iron	(C)	Zinc	(D)	Copper	
91.	Const	ituents involve	d in th	e formation o	of nitros	samines are			
	(A)	Amino acids	and ni	trate	(B)	Secondary a	mines	and nitrate	
	(C)	Secondary an	nines a	and nitrite	(D)	Amino acids	and 1	nitrite	
92.	Vitan	nin involved in	synthe	esis of collage	n is				
	(A)	Pantothenic a	cid		(B)	Folic acid			
	(C)	Vitamin C			(D)	Riboflavin			
Set -	Α				11				

- 93. Amino acids essential for infants are
  - (A) Arginine and methionine (B) Histidine and methionine
  - (C) Arginine and histidine (D) Arginine, methionine and histidine

94. The amino acids vital in functionality of gluten are

- (A) Lysine and cysteine (B) Cysteine and cystine
- (C) Cystine and lysine (D) All the three as above
- 95. Hydrocolloid showing thermally reversible, transparent and elastic gel is
  - (A) Agar (B) Gelatin (C) Carrageenan (D) Starch

96. Hydrocolloid having maximum solubility in water

(A) Guar gum (B) Gum Arabic (C) Gum karaya (D) Gum tragacanth

97. This chromatography is generally used for analysis of fatty acid composition in foods

- (A) High Pressure Liquid Chromatography
- (B) Gas Chromatography
- (C) Thin Layer Chromatographty
- (D) Supercritical Fluid Chromatography
- **98.** The vitamin injected in newborns is
  - (A) Vitamin C (B) Vitamin B₁ (C) Vitamin K (D) Vitamin A
- **99.** Glycaemic index is a measure of the amount of glucose released postprandial and is likely to be least affected by
  - (A) Carbohydrate type or content in food
  - (B) Fat content in food
  - (C) Soluble fiber content in food
  - (D) Mineral content in food

Set - A

100. The objective of fermenting a food substrate is to

- (A) Improve the sensory properties of the food
- (B) Increase the nutritional quality of food
- (C) Extend the storage period
- (D) All of the above

**101.** Food safety and Standards Act, 2006 contains _____ number of chapters.

(A) XII (B) XI (C) VIII (D) X

#### **102.** NABL stands for

- (A) National Analytical Board for Laboratories.
- (B) National Accreditation Board for Testing and Calibration of Laboratories
- (C) National Accreditation Board for Testing and Certification of Laboratories
- (D) National Analytical Board for Testing and Calibration of Laboratories
- **103.** If the test reports for the sample of analysis are found to be at variance, then designated officer shall send one part of sample to
  - (A) Referral Laboratory (B) Food Analyst
  - (C) FSSAI (D) Central Laboratory

**104.** The ______ on the application of Sanitary and Phytosanitary Measures and on Technical Barriers to Trade (SPS and TBT Agreements) both encourage the international harmonization of food standards.

- (A) Uganda Round Agreement (B) Uruguay Round Agreement
- (C) Zurich Round Agreement (D) India Round Agreement

105. Codex Alimentarius Commission was created by joint efforts of

(A)	WHO and World Bank	(B)	WHO and FAO
(C)	WHO and FOO	(D)	WHO and FSO

- **106.** The work required for crushing material is proportional to the logarithm of the ratio between the initial and final diameters according to
  - (A) Rittinger's law (B) Kick's law

$(\mathbf{C})$	Bond's law	(D)	Boyle's law
$(\mathbf{C})$	Donu s law	(D)	Duyle s law

Set - A 13 FT

**107.** In Constant rate filtration

- (A)  $\Delta$  P is minimum at start and maximum at the end of the filtration run.
- (B)  $\Delta$  P is constant throughout the run.
- (C)  $\Delta$  P is maximum at start and minimum at the end.
- (D) Independent of  $\Delta$  P.
- **108.** Filter aid is used to
  - (A) increase the filtering efficiency
  - (B) decrease the filtering efficiency
  - (C) give body to the filtrate
  - (D) increase the mass of cake

**109.** A multiple effect evaporator has a capacity to process 400 kg of concentrated juice per day when it is concentrating from 10 % to 25% solids. The water evaporated kg per day is

(A) 600 (B) 2400 (C) 6000 (D) 1600

110. The moisture content in excess of equilibrium moisture content is called

- (A) Saturated moisture (B) Free moisture content
- (C) Specific moisture content (D) None of the above

**111.** Which of the following is variable area meter ?

- (A) Venturi meter (B) Rota meter
- (C) Orifice meter (D) All of the above
- **112.** The ratio of vapour pressure of A to vapour pressure of B is called as _____ of A with respect B.
  - (A) Volatility (B) Diffusivity
  - (C) Relative volatility (D) Relative diffusivity
- **113.** As per Stephan Boltzmann law the total energy emitted by a black body directly proportional to fourth power of its
  - (A) Surface area (B) Emissive power
  - (C) An absolute temperature (D) Energy

Set -	A	14	FT

**114.** SI unit of overall heat transfer coefficient is

(A)  $W/(m^2 K)$  (B)  $(m^2 K)/W$  (C)  $Wm^2 K$  (D)  $W K/m^2$ 

#### **115.** Dew point is the temperature at which the

- (A) Boiling occurs (B) Evaporation occurs
- (C) Condensation occurs (D) Freezing occurs

#### **116.** Natural convection is characterized by

- (A) Grashof number (B) Peclet number
- (C) Reynolds number (D) Prandtl number

117. What is the effect of the boiling point elevation in multiple effect evaporators ?

- (A) Reduce the capacity (B) Reduce the economy
- (C) Increase the economy (D) Increase capacity

**118.** Which of the following laws is associated with the amount of crushing energy required to create new surface ?

- (A) Kopp's law (B) Fourier's law
- (C) Fick's law (D) Rittinger's law

119. Constant rate period is that drying period during which

- (A) The moisture content of the substance remains constant
- (B) The rate of vaporization per unit of drying surface area is constant
- (C) The rate of vaporization increase with time
- (D) The rate of vaporization decrease with the time

120. The angle formed by pouring a powder as heap on a flat surface is known as

- (A) Contact angle (B) Angle of nip
- (C) Angle of repose (D) Critical angle

Set - A

## SPACE FOR ROUGH WORK

# FOOD TECHNOLOGY (FT) SET-A

Question No	Answer	Question No	Answer
1	В	61	D
2	В	62	D
3	С	63	С
4	В	64	D
5	В	65	D
6	С	66	С
7	А	67	А
8	В	68	В
9	D	69	С
10	С	70	D
11	С	71	С
12	В	72	В
13	С	73	D
14	В	74	С
15	В	75	В
16	С	76	А
17	D	77	С
18	Α	78	С
19	Α	79	А
20	В	80	В
21	С	81	С
22	С	82	С
23	В	83	С
24	В	84	С
25	С	85	А
26	С	86	В
27	В	87	В
28	В	88	С
29	С	89	С
30	A	90	D
31	С	91	С
32	С	92	С
33	D	93	С
34	В	94	В
35	В	95	В
36	С	96	В
37	С	97	В
38	С	98	С
39	А	99	D
40	С	100	D

41	С	101	А
42	D	102	В
43	С	103	А
44	А	104	В
45	С	105	В
46	В	106	В
47	А	107	А
48	С	108	А
49	В	109	А
50	В	110	В
51	А	111	В
52	D	112	С
53	С	113	С
54	В	114	С
55	В	115	С
56	С	116	А
57	D	117	А
58	С	118	D
59	D	119	В
60	В	120	С