

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 A	nswer 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.
- 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.

FT-16-A





FOOD TECHNOLOGY (FT)

1.	The p	igment type in	brinja	l is				
	(A)	Carotenoid	(B)	Anthocyanin	(C)	Caramel	(D)	Chlorophyll
2	DI	1 1						
2.		l chain is prese			(0)	** 111	VP3	70
	(A)	Carotenoids	(B)	Chlorophyll	(C)	Hemoglobin	(D)	Phycocyanin
3.	Which	n amino acid ha	as an a	romatic pheno	lic sid	e chain ?		
	(A)	Histidine	(B)	Cysteine	(C)	Tyrosine	(D)	Tryptophan
и	TTalla	and asked in the		Continue of				
4.	50.00 FT	are used in the			(0)	x	(D)	A 11 . C . 1
	(A)	Wine	(B)	Beer	(C)	Vinegar	(D)	All of these
5.	Protei	ns taking part i	n the	perception of in	mage a	are		
	(A)	Rhodopsin an	d peps	sin	(B)	Rhodopsin a	nd iod	lopsin
	(C)	Pepsin and io	dopsir	1	(D)	All the three	as ab	ove
6.	This e	mulsifier is am	phote	ric:				
	(A)	Glyceryl mon	ostear	rate	(B)	Sodium stear	oyllad	ctylate
	(C)	Lecithin			(D)	None of the	above	
7.	Bacter	ria do not survi	ve in l	highly salted pi	ickles	because		
	(A)			y plasmolysis	ionio:	o o o o o o o o o o o o o o o o o o o		
	(B)	Salt inhibits r						
	(C)			ain essential nu	trients	:		
	(D)	Bacteria do no				•		
			Ü	2 0				
8.	Aflato	oxin is a type o	f					
	(A)	Plant toxin			(B)	Fungal toxin		
	(C)	Bacterial toxi	n		(D)	None of the	above	
Ō	Doloro	romotic buda	oorbo-	no ara a tima af				
9.	1579	10.51	carbor	is are a type of		Europi toni-		
	(A)	Plant toxin	n		(B)	Fungal toxin		atominest
C-4	(C)	Bacterial toxi	П		(D)	Environment	ai coi	
Set -	A				2			F



10.	Whic	h of the followi	ing ha	s no aldehyde o	or keto	onic group?			
	(A)	Fructose	(B)	Glucose	(C)	Sucrose	(D)	Maltose	
11.	Adeq	uacy of blanchi	ng of	fruits and vege	tables	milk is gener	rally ju	idged by	
	(A)	Amylase test			(B)	Lipase test			
	(C)	Peroxidase te	st		(D)	Phosphatase	test		
12.	This s	sweetener is a p	roteir	1:					
	(A)	Saccharin	(B)	Monellin	(C)	Stevioside	(D)	Dulcin	
13.	The b	ioactive compo	ound i	n pe pp er is					
	(A)	Piperidine	(B)	Piperizine	(C)	Piperine	(D)	Piperidizine	
14.	Whic	h fatty acid is e	ssenti	al and has three	e doul	ole bonds ?			
	(A)	Linoleic acid			(B)	Linolenic ac	id		
	(C)	Arachidonic a	acid		(D)	None of the	above		
15.	The p	rimary structur	e of a	protein is due	to				
	(A)	Hydrogen bor			(B)	Peptide bone	ds		
	(C)	S-S linkage			(D)	Ionic bonds			
16.	This i	s not a metallo	protei	n :					
	(A)	Phytochrome	(B)	Cytochrome	(C)	Glycoprotei	n(D)	Ferrodoxine	
17.	This o	compound is re	spons	ible for bitter to	aste in	grapefruit :			
	(A)	Limonin	(B)	Naringenin	(C)	Naringin	(D)	Both (B) & (C)	
18.	Enzvi	me A has a K	of 10	⁻² M. while enz	vme l	Bhasa Kof	10-4 [M. Which fact is tru	ie?
	(A)	502		nger affinity to					
	(B)	5086 1.4 5000		onger affinity to			2000		
	(C)	Both have sin	nilar a	ffinity for the	substra	ate.			
	(D)	K _m is not rela	ted to	the affinity of	the su	bstrate.			
19.	This	alveoside has a	steroi	dal backbone :					
19.	2000 100	glycoside has a Saponins	steroi	dal backbone:	(B)	Naringin			
19.	2000 100	glycoside has a Saponins Anthocyanin	steroi	dal backbone :	(B) (D)	Naringin None of the	above		



20). (coenz	ymes Fivin and	1 FAL	are derived in	om v	itamin			
	((A)	B_1	(B)	B_2	(C)	B_6	(D)	B ₁₂	
21	l. 7	Γhis sι	ugar can be tok	erated	by diabetics :					
	((A)	Lactose	(B)	Maltose	(C)	Fructose	(D)	Glucose	
22	2. 3	Which	of these vitam	ins is	sulphur contai	nino 7	,			
2 -1 2		(A)	Folic acid			(B)	Pantothenic	acid		
		Managara.	Biotin			(D)	All of the ab			
	,	(C)	Diotin			(D)	An of the ab	OVC		
23	3. I	Defici	ency of this vit	amin	results in exces	ssive l	nemorrhage :			
	((A)	A	(B)	K	(C)	В	(D)	Е	
24	1. ,	Anaero	obic respiration	of ar	nimals produce	s				
	((A)	$C_2H_5OH + CO$) ₂		(B)	Lactic acid +	- wate	r	
	((C)	Glucose + O_2	2		(D)	$CO_2 + H_2O$			
25	5. /	A goo	d quality ice-cr	eam s	should have					
	((A)	Small number	of sn	nall sized ice cr	rystals				
	((B)	Small number	of la	rge sized ice cr	ystals				
	((C)	Large number	of sn	nall sized ice cr	ystals				
	((D)	Large number	of la	rge sized ice cr	ystals				
26	5. 5	Staling	g of <i>idlis</i> is due	to						
	((A)	Denaturation of	of pro	tein	(B)	Gelatinizatio	n of s	tarch	
	((C)	Retrogradation	pn of	starch	(D)	All of the ab	ove		
27	7. [This p	olysaccharide i	s pres	sent in oats:					
		(A)	α-Glucan	(B)	β-Glucan	(C)	α, β-Glucan	(D)	All of the above	
28	٠ ١	Which	sugar will give	e mav	rimum Maillara	l brow	ming on react	ion w	ith amino acid?	
- LC			Glucose				<u> </u>			
				(2)	1140000		Luctobe	(2)		
Se	et -	A				4				FT



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	sugar solution can be performed by	y addin	ıg
	(A)	28g sugar in 72 ml water	(B)	28g sugar in IL of water
	(C)	28g sugar in 100 ml water	(D)	None of the above
31.	Speci	ific gravity can be used to estimate		
	(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 Rela	ted Ma	acular 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 activit	y:	
	(A)	Watermelon (B) Jam	(C)	Potatocs (D) Ice frozen at -50°C
34.	Conc	hing and refining are operations inv	volved	in
	(A)	Coffee processing	(B)	Cocoa processing
	(C)	Spice processing	(D)	None of the above
35.		ad samples A and B have a bulk d following is true?	ensity	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 pec	culiar amino acid present in bacteria	al cell	wall is
	(A)	Glutamate	(B)	Alanine
	(C)	Diaminopimelic acid	(D)	Aspartate
Set	- A		5	FT



38.	In ase	ptic processing	, steri	lization of pac	kaging	material is a	chieve	ed	
	(A)	by passing thr	ough	an alcohol bat	h				
	(B)	by passing un	der U	V lamp					
	(C)	by passing thr	ough	hydrogen perc	xide				
	(D)	by passing thr	ough	IR lamp					
39.	Carbo	nation of bever	ages	is best done at					
	(A)	10 °C	(B)	20 °C	(C)	30 °C	(D)	40 °C	
40.	Mass	spectrometry is	base	d on					
	(A)	Charge of the	mole	cule	(B)	Mass of the	molec	ule	
	(C)	Mass/Charge	ratio		(D)	None of the	above		
41.	This p	oolysaccharide i	is of r	nicrobial origii	n :				
	(A)	Guar gum			(B)	Gum tragaca	anth		
	(C)	Xanthan			(D)	Gum karaya			
42.	Oleor	esins are obtain	ed fro	om					
	(A)	Oilseeds	(B)	Oils	(C)	Seeds	(D)	Spices	
43.	Freez	ing takes longer	r than	thawing under	other	wise similar c	onditi	ons because	
	(A)	Thermal cond	uctivi	ty of ice is mo	re thar	that of liquid	l wate	r	
	(B)	Density of ice	is les	s than that of l	iquid v	water			
	(C)	Specific heat	of ice	is less than tha	at of lie	quid water			
	(D)	All the above							
44.	This v	vater is most su	itable	for carbonation	on of b	everages:			
	(A)	Soft water			(B)	Mildly hard			
	(C)	Medium hard			(D)	Very hard			
45.	The c	olour of black t	ea is c	due to					
	(A)	Oxidation of o	earbol	nydrates	(B)	Oxidation of	flipids	S	
	(C)	Oxidation of o	chloro	phyll	(D)	None of the	above		
Set -	A				6				FT



46.	Efflue	ent from this industry will have max	imum	BOD:
	(A)	Orange juice processing	(B)	Whey from cheese processing
	(C)	Bread processing	(D)	Black tea processing
47.	Paster	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 p	oolymer is biodegradable:		
	(A)	Polypropylene	(B)	Polyester
	(C)	Polylactic acid	(D)	Polyvinyl chloride
49.	This p	packaging material would have low	est W	VTR:
	(A)	Paper (B) Glass	(C)	Polyethylene (D) Polyester
200	220 0			
50.		kraut is a type of		
	(A)	Meat	(B)	Fermented cabbage
	(C)	Fermented cereal based product	(D)	Wine
	3.4	7		
51.	0.53	nnaise is an emulsion of the type	(D)	Oil in section
	(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	thun is	
·	(A)	Newtonian	(B)	Dilatant fluid
	(C)	Pseudoplastic fluid	(D)	Bingham plastic
	N. 5. Z		V Z	3
53.	This s	spectrophotometry is used for analyst	sis of	minerals
	(A)	Flame spectrophotometer		
	(B)	Mass spectrophotometer		
	(C)	Atomic absorption spectrophotom	eter	
	(D)	All of the above		
54.	Malto	dextrins are characterized in terms	of	
	(A)	Dextrinising Units	(B)	Dextrose Equivalent
	(C)	Dextrinising Equivalent	(D)	All of the above
Sat.	A		7	
Set -	F.M.		/	



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55.	The p	rinciple of lyop	hiliza	tion is based or	n				
	(A)	Boiling of wa	ter		(B)	Sublimation	of wa	iter	
	(C)	Freezing of w	ater		(D)	All of the abo	ove		
56.	Gossy	ypol is a toxic c	onstit	uent in this oil	:				
	(A)	Groundnut	(B)	Rapeseed	(C)	Cottonseed	(D)	Jatropa	
57.	This i	is an assay for a	intioxi	dant activity:					
	(A)	DPPH assay	(B)	FRAP assay	(C)	ABTS assay	(D)	All of these	
22/42/1	7276704	2010 01 0		2					
58.		oil is a rich sou			V		200 to 20	0.4 U	
	(A)	Polyunsaturat		V- ▼ 24400 - 0000 V 0 00 00 00 00 00 00 00 00 00 00	(B)	Saturated fat			
	(C)	Monounsatura	ated fa	itty acids	(D)	None of the	above	;	
59.	The b	ioostivo nutras	oution	l component pr	ocont	in rica bran ci	1 io		
39.		oioactive nutrace Vitamin A		Coenzyme A				Oryzanol	
	(A)	v Italiilli A	(B)	Coelizyille A	(C)	rilytosterois	(D)	Of yzahor	
60.	A goo	od frying oil sho	frying oil should have						
3237.353.53	(A)	•		nd low flash po	int				
	(B)	10.00 40 40		nd high flash p					
	(C)			nd high flash p					
	(D)			nd low flash po					
61.	Sodiu	ım nitrite in me	at pro-	cessing brings	about				
	(A)	Formation of	nitros	amine					
	(B)	Retention of c	colour						
	(C)	Inhibition of	Clostr	idium botulinu	n				
	(D)	All of the abo	ve						
52728		28			12772				
62.		ompared to coco		(1) (1)		2			
	(A)	•		value and low					
	(B)			value and high					
	(C)			value and low					
	(D)	Low saponific	cation	value and high	iodin	e value			
Set -	. A				8				
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63.	Vitam	nins not presen	it in pla	ant foods are					
	(A)	Vitamins A,	D and	Е	(B)	Vitamins A,	K and	dB ₁	
	(C)	Vitamins A,	D and	B ₁₂	(D)	Vitamins D,	B ₁ an	nd B ₁₂	
64.	β-Am	ylase cleaves :	starch (to					
	(A)	Glucose	(B)	Maltose	(C)	Limit dextrii	n(D)	All of these	
65.	These	amino acids g	give a y	yellow colour o	on reac	ction with anil	ine hy	drogen phthalate:	
	(A)	Proline and v	valine		(B)	Valine and h	ydrox	typroline	
	(C)	Leucine and	proline	ė	(D)	Proline and l	hydro.	xyproline	
66.	This p	oolysaccharide	is a po	olymer of galct	uronic	acid:			
	(A)	Cellulose	(B)	Chitin	(C)	Pectin	(D)	Amylopectin	
67.	The li	miting amino	acid in	cereals is:					
	(A)	Lysine	(B)	Methionine	(C)	Valine	(D)	Leucine	
68.	This p	protein is a trai	nsport	protein :					
	(A)	Collagen	(B)	Hemoglobin	(C)	Hordein	(D)	Glycoprotein	
69.	This a	amino acid is p	orecurs	or of niacin					
	(A)	Tyrosine	(B)	Methionine	(C)	Tryptophan	(D)	Arginine	
70.	This a	amino acid is t	he prec	cursor of ethyle	ene in	fruits :			
	(A)	Cystine	(B)	Valine	(C)	Histidine	(D)	Methionine	
71.	Paster	urization of mi	ilk is ai	imed to inhibit					
	(A)	Bacillus subi	tilis		(B)	Salmonella t	yphin	nurium	
	(C)	Mycobacteri	um tub	erculosis	(D)	Vibrio chole	rae		
72.	Durin	g cooking, ric	e unde	rgoes					
	(A)	Hydrolysis o	f starcl	h	(B)	Gelatinizatio	on of s	starch	
	(C)	Retrogradati	on of s	tarch	(D)	All of the ab	ove		
Set -	A				9				FT



73.	The te	exture in jams i	s due	to					
	(A)	Pectin and su	gar		(B)	Pectin and ac	cid		
	(C)	Sugar and aci	d		(D)	All the three	as ab	ove	
74.	A pho	ospholipid pres	ent in	egg yolk is					
	(A)	Phytosterol	(B)	Cholesterol	(C)	Lecithin	(D)	All of these	
75.	This p	oolysaccharide	is pre	sent in the exos	skeleto	on of prawns a	nd cra	abs:	
	(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 megaloblasti	ic ane	mia	
	(A)	Folic acid	(B)	B ₆	(C)	B ₁₂	(D)	All of these	
78.	Acid (A) (B) (C) (D)	Flour is conta Flour is made	minat from from	is an indicationed with microconstance with microconstance wheat sprouted wheat wheat not clean	rganis t				
79.	This i	s an indicator o	of inse	ect infestation in	n cere:	al and legume	flours	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 o	of		
	(A)	Glucose and	manno	ose	(B)	Galactose an	d mar	nnose	
	(C)	Glucose and g	galact	ose	(D)	All of the ab	ove		
81.	This 1	nineral 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				FT



83.	This c	an work as a c	ocoa t	outter substitut	e :				
	(A)	Coconut oil			(B)	Hydrogenatt	ed veg	getable fat	
	(C)	Mango kerne	l fat		(D)	All of the ab	ove		
84.	This s	tarch has the b	iggest	size among th	e follo	wing:			
	(A)	Rice	(B)	Wheat	(C)	Potato	(D)	Corn	
85.	A dial	betic would ber	nefit n	nost from					
	(A)	Food having l	low G	I	(B)	Food having	low c	cholesterol	
	(C)	Food having l	low sc	odium	(D)	All of the ab	ove		
86.	Ajino	moto is chemic	ally						
	(A)	Monosodium	aspar	tate	(B)	Monosodiun	n gluta	amate	
	(C)	Disodium aspartate				Disodium gl	utama	ite	
87.	Amon	ng the following	g, this	is the richest s	source	of vitamin C :	:		
	(A)	Orange juice	E86595555		(C)			Litchi juice	
88.	The h	ydrocolloid sho	owing	maximum hys	teresis	s is :			
	(A)	Gelatin	(B)	Alginate	(C)	Agar	(D)	Starch	
89.	Tetrar	oyrrole structur	e is co	ommon betwee	n				
02.	(A)	Chlorophyll a			(B)	Haemoglobis	n and	lycopene	
	(C)	Chlorophyll a	2000456	N 19 W	(D)	All of the ab		Jeopene	
90.	The co	o-factor for the	enzw	me nolynhenol	ovida	ea is			
70.	(A)	Magnesium	(B)	100	(C)	Zinc	(D)	Copper	
	(A)	Magnesium	(D)	non	(C)	Zinc	(D)	Copper	
91.	Const	ituents involve	d in th	ne formation of	fnitros	samines are			
	(A)	Amino acids a	and ni	trate	(B)	Secondary as	mines	and nitrate	
	(C)	Secondary an	nines a	and nitrite	(D)	Amino acids	and r	nitrite	
92.	Vitam	nin involved in	synth	esis of collage	n is				
	(A)	Pantothenic a	70 000000		(B)	Folic acid			
	(C)	Vitamin C			(D)	Riboflavin			
Set -	A				11				FT



95.	Amin	o acids essentia	a for	infants are								
	(A)	Arginine and	methi	onine	(B)	Histidine and metl	hionine					
	(C)	Arginine and	histid	ine	(D)	Arginine, methion	ine and histidine					
94.	The a	mino acids vita	ino acids vital in functionality of gluten are									
	(A)	Lysine and cy	/steine		(B)	Cysteine and cysti	ne					
	(C)	Cystine and lysine (D) All the three as above										
95.	Hydro	colloid showing thermally reversible, transparent and elastic gel is										
	(A)	Agar	(B)	Gelatin	(C)	Carrageenan (D)	Starch					
96.	Hydro	ocolloid having	maxi	mum solubility	in wa	nter						
	(A)	Guar gum	(B)	Gum Arabic	(C)	Gum karaya (D)	Gum tragacanth					
97.	This	chromatography	y is ge	enerally used fo	r anal	ysis of fatty acid co	mposition in foods					
	(A)	High Pressure	e Liqu	id Chromatogr	aphy							
	(B)	Gas Chromate	ograpl	hy								
	(C)	Thin Layer C	hroma	ntographty								
	(D)	Supercritical	Fluid	Chromatograpl	hy							
98.	The v	itamin injected	in ne	wborns is								
	(A)	Vitamin C	(B)	Vitamin B ₁	(C)	Vitamin K (D)	Vitamin A					
99.	5.3	emic index is a least affected b		sure of the amo	ount o	f glucose released p	ostprandial and is likely					
	(A)		•	or content in fo	ood							
	(B)	Fat content in		or comen in ic	, o u							
	(C)	Soluble fiber		nt in food								
	(D)	Mineral conte										
Set -	À	I.IIIIII OOIII	111	- 50 No. 30	12		FT					



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 cont	ains _	number of chapters.					
	(A)	XII (B)	XI	(C)	VIII (D) X					
102.	NABI	stands for								
	(A)	National Analytical	Board for Lab	orator	ies.					
	(B)	National Accreditati	on Board for T	Cesting	g and Calibration of Laboratories					
	(C)	National Accreditation Board for Testing and Certification of Laboratories								
	(D)	National Analytical	Board for Test	ing ar	nd 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.	Barrie	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 Agre	eement	(B)	Uruguay Round Agreement					
	(C)	Zurich Round Agree	ement	(D)	India Round Agreement					
105.		Alimentarius Comm			The transfer of the court of th					
	(A)	WHO and World Ba	ınk	(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					
	(C)	Bond's law		(D)	Boyle's law					
Set -	A			13	JF	T				



	(A)	Δ P is minimum at start and maximum at the end of the filtration run.									
	(B)	Δ P is constant throughout the run.									
	(C)	Δ P is maximum at start and minimum at the end.									
	(D)	Independent of Δ P.									
108.	Filter	aid is used to									
	(A)	increase the fi	iltering	g efficiency							
	(B)	decrease the f	ilterin	g efficiency							
	(C)	give body to t	he filt	rate							
	(D)	increase the m	nass of	f cake							
109.		10.	·	and the second s		(B)	_	f concentrated juice p vaporated kg per day			
	(A)	600	(B)	2400	(C)	6000	(D)	1600			
110.	The m	oisture content	t in ex	cess of equilibi	rium r	noisture conte	ent is c	alled			
	(A) Saturated moisture			(B)	Free moisture content						
	(C)	Specific mois	ture co	ontent	(D)	None of the	above				
111.	Which	of the followi		variable area m	eter?						
	(A)	Venturi meter			(B)	Rota meter					
	(C)	Orifice meter			(D)	All of the ab	ove				
110	TD)			C A		C.D.	. ,				
112.	The ratio of vapour pressure of A to vapour pressure of B is called as of A with respect B.								th		
	(A)	Volatility			(B)	Diffusivity					
	(C)	Relative volat	ility		(D)	Relative diff	usivity	y			
113.		r Stephan – I rtional to fourth			total	energy emitte	ed by	a black body direct	ly		
	(A)	Surface area			(B)	Emissive por	wer				
	(C)	An absolute to	emper	ature	(D)	Energy					
Set -	A				14			J	FŢ		

107. In Constant rate filtration



	(A)	1371/ 2 vn	SI unit of overall heat transfer coefficient is								
		W/(m² K)	(B)	(m ² K)/W	(C)	Wm ² K	(D)	W K/m ²			
115.	Dew	point is the tem	perati	ire at which	the						
	(A)	Boiling occurs			(B)	Evaporation occurs					
	(C)	Condensation	occu	rs	(D)	Freezing o	ceurs				
116.	Natural convection is characterized by										
	(A)	Grashof numb	ber		(B)	Peclet num	iber				
	(C)	Reynolds nun	nber		(D)	Prandtl nur	mber				
117.	What	is the effect of	the bo	oiling point	elevation	in multiple	effect e	evaporators ?			
	(A)	Reduce the ca	apacity	y	(B)	Reduce the	econo	my			
	(C)	Increase the e	conor	my	(D)	Increase ca	pacity				
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 l	aw				
	(C)	Fick's law			(D)	Rittinger's	law				
119.	Cons	tant rate period	is tha	t drying peri	iod during	g which					
	(A) The moisture content of the substance remains constant										
	(B)	(B) The rate of vaporization per unit of drying surface area is constant									
	(C)	(C) The rate of vaporization increase with time									
	(D) The rate of vaporization decrease with the time										
	The a	angle formed by	pour	ing a powde	r as heap	on a flat sur	rface is	known as			
120.		Contact angle	;		(B)	Angle of n	ip				
120.	(A)	U									
120.	(A) (C)	Angle of repo	ose	3 -	(D)	Critical an	gle				



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	C	66	C
7	Α	67	Α
8	В	68	В
9	D	69	С
10	C	70	D
11	С	71	С
12	В	72	В
13	С	73	D
14	В	74	C
15	В	75	В
16	C	76	Α
17	D	77	С
18	Α	78	C
19	Α	7 9	Α
20	В	80	В
21	C	81	С
22	C	82	C
23	В	83	C
24	В	84	C
25	С	85	Α
26	С	86	В
27	В	87	В
28	В	88	C
29	C	89	C
30	Α	90	D
31	С	91	C
32	C	92	C
33	D	93	C
34	В	94	В
35	В	95	В
36	С	96	В
37	С	97	В
38	С	98	C
39	Α	99	D
40	С	100	D



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

