A SET

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 Ai	nswer Sheet No. :
Signature of the Candidate	N A	Signature of the Invigilator

INSTRUCTIONS

- This Question Booklet consists of 120 multiple choice objective type questions to be answered in 120 minutes.
- 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.
- 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.
- 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.
- OMR Answer Sheet should be handed over to the Invigilator before leaving the Examination Hall.
- Calculators, Pagers, Mobile Phones, etc., are not allowed into the Examination Hall.
- No part of the Booklet should be detached under any circumstances.
- The seal of the Booklet should be opened only after signal/bell is given.

FT-16-A



FOOD TECHNOLOGY (FT)

1.	The p	oigment type in	brinja	ıl is					
	(A)	Carotenoid	(B)	Anthocyanin	(C)	Caramel	(D)	Chlorophyll	
2.	Phyto	ol chain is prese	ent in						
	(A)	Carotenoids	(B)	Chlorophyll	(C)	Hemoglobin	(D)	Phycocyanin	
3.	Whic	h amino acid h	as an	aromatic pheno	lic sid	le 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.	Prote	ins taking part	in the	perception of i	mage	are			
	(A)	Rhodopsin ar	nd pep	sin	(B)	Rhodopsin a	nd iod	dopsin	
	(C)	Pepsin and io	dopsi	n	(D)	All the three	as ab	ove	
6.	This	emulsifier is an	photo	eric :					
	(A)	Glyceryl mor	ostea	rate	(B)	Sodium steam	roylla	ctylate	
	(C)	Lecithin			(D)	None of the	above		
7.	Bacte	eria do not surv	ive in	highly salted p	ickles	because			
	(A)	Bacteria are l	cilled	by plasmolysis					
	(B)	Salt inhibits r	eprod	uction					
	(C)	Pickles do no	t cont	ain essential nu	trient	s			
	(D)	Bacteria do n	ot get	enough light					
8.	Aflat	oxin is a type o	f						
	(A)	Plant toxin			(B)	Fungal toxin			
	(C)	Bacterial toxi	in		(D)	None of the	above		
9.	Poly	aromatic hydro	carbo	ns are a type of					
	(A)	Plant toxin			(B)	Fungal toxin			
	(C)	Bacterial toxi	in		(D)	Environment	al con	ntaminant	
Set	- A				2				F

10.	Whic	h of the follow	ing ha	is no aldehyde	or ket	onic group?		
	(A)	Fructose	(B)	Glucose	(C)	Sucrose	(D)	Maltose
11.	Adeq	uacy of blanch	ing of	fruits and vege	etables	milk is gene	rally ju	adged by
	(A)	Amylase test			(B)	Lipase test		
	(C)	Peroxidase te	st		(D)	Phosphatase	e test	
12.	This	sweetener is a p	oroteii	n :				
	(A)	Saccharin	(B)	Monellin	(C)	Stevioside	(D)	Dulcin
13.	The I	pioactive compo	ound i	in pepper is				
	(A)	Piperidine	(B)	Piperizine	(C)	Piperine	(D)	Piperidizine
14.	Whic	h fatty acid is e	essenti	ial and has thre	e doul	ole bonds ?		
	(A)	Linoleic acid			(B)	Linolenic ac	cid	
	(C)	Arachidonic	acid		(D)	None of the	above	
15.	The	primary structur	re 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	in:				
	(A)	Phytochrome	(B)	Cytochrome	(C)	Glycoprotei	in (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 en	zyme	B has a K _m of	f 10 ⁻⁴ 1	M. Which fact is true ?
	(A)	Enzyme B ha	s stro	nger affinity to	the st	bstrate than l	Enzym	e A.
	(B)			ronger affinity				
	(C)			affinity for the				
	(D)			the affinity of				
19.	This	glycoside has a	stero	idal backbone				
	(A)	Saponins				Naringin		
	(C)	Anthocyanin				None of the	above	
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20.	Coen	zymes FMN a	and FAI	D are derived	from V	itamin			
	(A)	\mathbf{B}_1	(B)	B_2	(C)	B_6	(D)	B ₁₂	
21.	This	sugar can be t	olerate	d by diabetics	s i				
	(A)	Lactose	(B)	Maltose	(C)	Fructose	(D)	Glucose	
22.	Whic	ch of these vita	amins is	s sulphur con	taining	?			
	(A)	Folic acid			(B)	Pantothenic	acid		
	(C)	Biotin			(D)	All of the al	ove		
23.	Defic	ciency of this	vitamin	results in ex	cessive	hemorrhage :			
	(A)	A	(B)	K	(C)	В	(D)	E	
24.	Anae	robic respirat	ion of a	nimals produ	ices				
	(A)	C2H5OH+	CO ₂		(B)	Lactic acid	+ wate	er	
	(C)	Glucose + (02		(D)	$CO_2 + H_2O$			
25.	A go	od quality ice	-cream	should have					
	(A)	The state of the s		nall sized ice	crystal	s			
	(B)	Small numb	er of la	rge sized ice	crystals				
	(C)	Large numb	er of si	mall sized ice	crystals	s			
	(D)	Large numb	er of la	rge sized ice	crystals				
26.	Stali	ng of idlis is d	ue to						
	(A)	Denaturatio	n of pro	otein	(B)	Gelatinizati	on of s	starch	
	(C)	Retrogradat	iopn of	starch	(D)	All of the ab	oove		
27.	This	polysaccharid	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 g	ive ma	ximum Maill	ard brov	vning on reac	tion w	rith amino acid ?	
	(A)	Glucose	(B)	Fructose	(C)	Lactose	(D)	Sucrose	
Set -	. [A]				4				FI

29.	Sugar	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 b	y addin	g
	(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		
	(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	ited 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 activity	ty:	
	(A)	Watermelon (B) Jam	(C)	Potatoes (D) Ice frozen at -50°C
34.	Conc	hing and refining are operations in	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.	Oven	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 bacteri	al cell	wall is
	(A)	Glutamate	(B)	Alanine
	(C)	Diaminopimelic acid	(D)	Aspartate
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30.	In asc	eptic processii	ng, sten	nzation of p	packaging	materiai	is acmeve	ed	
	(A)	by passing t	hrough	an alcohol	bath				
	(B)	by passing u	under U	V lamp					
	(C)	by passing t	hrough	hydrogen p	eroxide				
	(D)	by passing t	hrough	IR lamp					
39.	Carbo	onation of bev	erages	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	he mole	cule	(B)	Mass of	the molec	ule	
	(C)	Mass/Charg	e ratio		(D)	None of	the above		
41.	This	polysaecharid	e is of i	nicrobial or	rigin :				
	(A)	Guar gum			(B)	Gum trag	gacanth		
	(C)	Xanthan			(\mathbf{D})	Gum kar	aya		
42.	Oleon	resins are obta	ained fro	om.					
	(A)	Oilseeds	(B)	Oils	(C)	Seeds	(D)	Spices	
43.	Freez	ing takes long	ger than	thawing un	nder other	wise simil	ar condit	ions because	
	(A)	Thermal cor	nductiv	ity of ice is	more than	that of li	quid wate	r	
	(B)	Density of i	ce is les	s than that	of liquid	water			
	(C)	Specific hea	at of ice	is less than	that of li	quid water	T)		
	(D)	All the abov	ve						
44.	This	water is most	suitable	for carbon	ation of b	everages :			
	(A)	Soft water			(B)	Mildly h	ard		
	(C)	Medium har	rd		(D)	Very har	d		
45.	The c	olour of black	k tea is	due to					
	(A)	Oxidation o	f carbo	hydrates	(B)	Oxidatio	n of lipid	s	
	(C)	Oxidation o	f chlore	phyll	(\mathbf{D})	None of	the above		
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46.	Efflu	ent from this industry will have max	kimum	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	polymer is biodegradable :			
	(A)	Polypropylene	(B)	Polyester	
	(C)	Polylactic acid	(D)	Polyvinyl chloride	
49.	This	packaging material would have low	est W	VTR:	
	(A)	Paper (B) Glass		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	i	
	(A)	12 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	24	Dilatant fluid	
	(C)	Pseudoplastic fluid	(D)	Bingham plastic	
53.	This	spectrophotometry is used for analy	sis of	minerals	
	(A)	Flame spectrophotometer			
	(B)	Mass spectrophotometer			
	(C)	Atomic absorption spectrophotom	neter		
	(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		FT

55.	The p	orinciple of lyophiliza	tion is based or	n			
	(A)	Boiling of water		(B)	Sublimation of wa	iter	
	(C)	Freezing of water		(D)	All of the above		
56.	Goss	ypol is a toxic constit	uent in this oil	1			
	(A)	Groundnut (B)	Rapeseed	(C)	Cottonseed (D)	Jatropa	
57.	This	is an assay for antioxi	idant activity:				
	(A)	DPPH assay (B)	FRAP assay	(C)	ABTS assay (D)	All of these	
58.	Olive	oil is a rich source o					
	(A)	Polyunsaturated fat		(B)	Saturated fatty aci	ds	
	(C)	Monounsaturated fa	itty acids	(D)	None of the above		
59.	The t	pioactive nutraceutica	l component pr	esent	in rice bran oil is		
	(A)	Vitamin A (B)	Coenzyme A	(C)	Phytosterols (D)	Oryzanol	
60.	A go	od frying oil should h	ave				
	(A)	Low smoke point a	nd low flash po	int			
	(B)	High smoke point a	nd high flash p	oint			
	(C)	Low smoke point a	nd high flash p	oint			
	(D)	High smoke point a	nd low flash po	oint			
61.	Sodn	ım nitrite in meat pro-	cessing brings	about			
	(A)	Formation of nitros	amine				
	(B)	Retention of colour					
	(C)	Inhibition of Clostr	idium botulinu	m			
	(D)	All of the above					
62.	As co	ompared to coconut of					
	(A)	Low saponification	value and low	iodin	e value		
	(B)	High saponification					
	(C)	High saponification					
	(D)	Low saponification	value and high	iodir	ie value		
Set -	A			8			FT

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63.	Vitan	nins not preser	nt in pla	ant foods are					
	(A)	Vitamins A,	D and	E	(B)	Vitamins A,	K and	i B ₁	
	(C)	Vitamins A,	D and	B ₁₂	(D)	Vitamins D,	B ₁ an	d B ₁₂	
64.	β-An	ıylase 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 reac	ction with anil	ine hy	drogen phthalate :	
	(A)	Proline and	valine		(B)	Valine and h	iydrox	yproline	
	(C)	Leucine and	proline	e	(D)	Proline and	hydro	xyproline	
66.	This	polysaccharide	is a po	olymer of galct	uronk	e acid :			
	(A)	Cellulose	(B)	Chitin	(C)	Pectin	(D)	Amylopectin	
67.	The l	imiting amino	acid in	cereals is :					
	(A)	Lysine	(B)	Methionine	(C)	Valine	(D)	Leucine	
68.	This	protein is a tra	nsport	protein t					
	(A)	Collagen	(B)	Hemoglobin	(C)	Hordein	(D)	Glycoprotein	
69.	This	amino acid is p	precurs	or of niacin					
	(A)	Tyrosine	(B)	Methionine	(C)	Tryptophan	(D)	Arginine	
70.	This	amino acid is t	he pred	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 1	yphin	uerium	
	(C)	Mycobacteri	ium tub	perculosis	(D)	Vibrio chole	rae		
72.	Durir	ng cooking, ric	e unde	rgoes					
	(A)	Hydrolysis o	of stare	h	(B)	Gelatinizatio	on of s	tarch	
	(C)	Retrogradati	on of s	tarch	(D)	All of the above			
Set -	A				9				FT

73.	The t	exture in jams	is due	to					
	(A)	Pectin and su	gar		(B)	Pectin and a	icid		
	(C)	Sugar and ac	id		(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	polysaccharide	is pre	sent in the exo	skeleti	on of prawns	and cr	abs:	
	(A)	Pectin	(B)	Chitin	(C)	Chitosan	(D)	Cellulin	
76.	Seco	ndary structure	of a p	rotein is due to)				
	(A)	Hydrogen bo	nds		(B)	Peptide bon	ds		
	(C)	Hydrophobic	assoc	iations	(D)	All of the al	oove		
77.	The o	leficiency of th	is vita	min is respons	ible fo	r megaloblast	tic ane	mia	
	(A)	Folic acid	(B)	B ₆	(C)	B ₁₂	(D)	All of these	
78.	Acid	insoluble ash i	n flou	r is an indicatio	on of				
	(A)	Flour is conta	amina	ted with micro	organi	sms			
	(B)	Flour is made	from	sprouted when	at				
	(C)	Flour is made	e from	wheat not clea	aned p	roperly			
	(D)	All of the abo	ove						
79.	This	is an indicator	of inse	ect infestation i	n cere	al and legume	flour	s :	
	(A)	Uric acid	(B)	Citire acid	(C)	Acetic acid	(D)	All of these	
80.	In ve	getables like ol	cra or	'bhendi', the n	nucilag	ge is made up	of		
	(A)	Glucose and	manne	ose	(B)	Galactose ar	nd mai	nnose	
	(C)	Glucose and	galact	ose	(D)	All of the al	oove		
81.	This	mineral is asso	ciated	with goiter					
	(A)	Calcium	(B)	Sodium	(C)	Iodine	(D)	Magnesium	
82.	The a	stringency in t	ea is a	ttributed to					
	(A)	Proteins	(B)	Carbohydrate	es(C)	Polyphenols	(D)	All of these	
Set -	A				10				FT

This	can work as a c	ocoa l	outter substitu	te:				
(A)	Coconut oil			(B)	Hydrogenat	ted ve	getable fat	
(C)	Mango kerne	l fat		(D)	All of the ab	ove		
This	starch has the b	iggest	size among t	he follo	owing:			
(A)	Rice	(B)	Wheat	(C)	Potato	(D)	Corn	
A dia	betic would be	nefit n	nost from					
(A)	Food having	low G	1	(B)	Food having	low	cholesterol	
(C)	Food having	low so	odium	(D)	All of the al	ove		
Ajino	omoto is chemic	cally						
(A)	Monosodium	aspar	tate	(B)	Monosodiur	n glut	amate	
(C)	Disodium asp	partate		(D)	Disodium g	lutama	ite	
Amo	ng the followin	g. this	is the richest	source	of vitamin C	:		
(A)	Orange juice	(B)	Amla juice	(C)	Grape juice	(D)	Litchi juice	
The l	nydrocolloid sh	owing	maximum hy	steresis	s is :			
(A)	Gelatin					(D)	Starch	
Tetra	pyrrole structu	re is co	ommon betwe	en				
(A)	The state of the s				Haemoglobi	n and	lycopene	
(C)			•	(D)			16) (3)	
The c	co-factor for the	e enzvi	me polypheno	l oxida	ise is			
(A)		1				(D)	Copper	
Cons	tituents involve	ed in th	ne formation o	of nitro	samines are			
(A)						mines	and nitrate	
(C)	Secondary ar	nines	and nitrite	4.000				
Vitan	nin involved in	synth	esis of collage	n is				
		7000			Folic acid			
(C)	Vitamin C	or solved		0500000				
A				11				FT
	(A) (C) This (A) A dia (A) (C) Ajinc (A) (C) Amo (A) (C) The I (A) (C) The G (A) (C) Vitar (A) (C) Vitar (A) (C)	(A) Coconut oil (C) Mango kerne This starch has the b (A) Rice A diabetic would be (A) Food having (C) Food having (C) Food having (A) Monosodium (C) Disodium asp Among the followin (A) Orange juice The hydrocolloid sh (A) Gelatin Tetrapyrrole structur (A) Chlorophyll a (C) Chlorophyll a (C) Chlorophyll a The co-factor for the (A) Magnesium Constituents involve (A) Amino acids (C) Secondary ar Vitamin involved in (A) Pantothenic a (C) Vitamin C	(A) Coconut oil (C) Mango kernel fat This starch has the biggest (A) Rice (B) A diabetic would benefit in (A) Food having low of (C) Food having low so Ajinomoto is chemically (A) Monosodium aspartate Among the following, this (A) Orange juice (B) The hydrocolloid showing (A) Gelatin (B) Tetrapyrrole structure is co (A) Chlorophyll and lyo (C) Chlorophyll and ha The co-factor for the enzy (A) Magnesium (B) Constituents involved in th (A) Amino acids and in (C) Secondary amines a Vitamin involved in synth (A) Pantothenic acid (C) Vitamin C	(A) Coconut oil (C) Mango kernel fat This starch has the biggest size among to the confection of the	(C) Mango kernel fat (D) This starch has the biggest size among the followall (A) Rice (B) Wheat (C) A diabetic would benefit most from (A) Food having low Gl (B) (C) Food having low sodium (D) Ajinomoto is chemically (A) Monosodium aspartate (B) (C) Disodium aspartate (D) Among the following, this is the richest source (A) Orange juice (B) Amla juice (C) The hydrocolloid showing maximum hysteresis (A) Gelatin (B) Alginate (C) Tetrapyrrole structure is common between (A) Chlorophyll and lycopene (B) (C) Chlorophyll and haemoglobin (D) The co-factor for the enzyme polyphenol oxida (A) Magnesium (B) Iron (C) Constituents involved in the formation of nitros (A) Amino acids and nitrate (B) (C) Secondary amines and nitrite (D) Vitamin involved in synthesis of collagen is (A) Pantothenic acid (B) (C) Vitamin C (D)	(A) Coconut oil (B) Hydrogenate (C) Mango kernel fat (D) All of the above the fact (D) Disodium aspartate (D) Disodium graph (D) Disod	(A) Coconut oil (B) Hydrogenatted ve (C) Mango kernel fat (D) All of the above This starch has the biggest size among the following: (A) Rice (B) Wheat (C) Potato (D) A diabetic would benefit most from (A) Food having low Gl (B) Food having low of (C) Food having low sodium (D) All of the above Ajinomoto is chemically (A) Monosodium aspartate (B) Monosodium glut (C) Disodium aspartate (D) Disodium glutama Among the following, this is the richest source of vitamin C: (A) Orange juice (B) Amla juice (C) Grape juice (D) The hydrocolloid showing maximum hysteresis is: (A) Gelatin (B) Alginate (C) Agar (D) Tetrapyrrole structure is common between (A) Chlorophyll and lycopene (B) Haemoglobin and (C) Chlorophyll and haemoglobin (D) All of the above The co-factor for the enzyme polyphenol oxidase is (A) Magnesium (B) Iron (C) Zinc (D) Constituents involved in the formation of nitrosamines are (A) Amino acids and nitrate (B) Secondary amines are (A) Amino acids and nitrate (D) Amino acids and involved in synthesis of collagen is (A) Pantothenic acid (B) Folic acid (C) Vitamin C (D) Riboflavin	(A) Coconut oil (B) Hydrogenatted vegetable fat (C) Mango kernel fat (D) All of the above This starch has the biggest size among the following: (A) Rice (B) Wheat (C) Potato (D) Corn A diabetic would benefit most from (A) Food having low Gl (B) Food having low cholesterol (C) Food having low sodium (D) All of the above Ajinomoto is chemically (A) Monosodium aspartate (B) Monosodium glutamate (C) Disodium aspartate (D) Disodium glutamate Among the following, this is the richest source of vitamin C: (A) Orange juice (B) Amla juice (C) Grape juice (D) Litchi juice The hydrocolloid showing maximum hysteresis is: (A) Gelatin (B) Alginate (C) Agar (D) Starch Tetrapyrrole structure is common between (A) Chlorophyll and lycopene (B) Haemoglobin and lycopene (C) Chlorophyll and haemoglobin (D) All of the above The co-factor for the enzyme polyphenol oxidase is (A) Magnesium (B) Iron (C) Zinc (D) Copper Constituents involved in the formation of nitrosamines are (A) Amino acids and nitrate (B) Secondary amines and nitrate (C) Secondary amines and nitrite (D) Amino acids and nitrite Vitamin involved in synthesis of collagen is (A) Pantothenic acid (B) Folic acid (C) Vitamin C (D) Riboflavin

93.	Amin	o acids essenti	al for	infants are				
	(A)	Arginine and	methi	onine	(B)	Histidine and	meti	hionine
	(C)	Arginine and	histid	ine	(D)	Arginine, met	hion	ine and histidine
94.	The a	mino acids vita	al in fu	netionality of	gluten	are		
	(A)	Lysine and c	ysteine	3	(B)	Cysteine and	cysti	ne
	(C)	Cystine and I	ysine		(D)	All the three a	as ab	ove
95.	Hydr	ocolloid showi	ng the	rmally reversib	ole, tra	nsparent and el	astic	gel is
	(A)	Agar	(B)	Gelatin	(C)	Carrageenan	(D)	Starch
96.	Hydr	ocolloid having	g maxi	mum solubility	v in wa	ater		
	(A)	Guar gum	(B)	Gum Arabic	(C)	Gum karaya	(D)	Gum tragacanth
97.	This	chromatograph	y is ge	nerally used fo	or anal	ysis of fatty ac	id co	emposition in foods
	(A)	High Pressur	e Liqu	id Chromatogr	aphy			
	(B)	Gas Chromat	ograp	hy				
	(C)	Thin Layer C	hroma	itographty				
	(D)	Supercritical	Fluid	Chromatograp	hy			
98.	The v	itamin injected	l in ne	wborns is				
	(A)	Vitamin C	(B)	Vitamin B ₁	(C)	Vitamin K	(D)	Vitamin A
99.		nemic index is least affected b		sure of the amo	ount o	f glucose releas	sed p	ostprandial and is likely
	(A)	Carbohydrate	type	or content in fo	bood			
	(B)	Fat content in	food					
	(C)	Soluble fiber	conte	nt in food				
	(D)	Mineral cont	ent in	food				
Set -	A				12			F

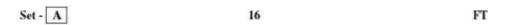
100.	the objective of fermenting a food substrate is to									
	(A)	Improve the se	ensory properti	es of the fo	od					
	(B)	Increase the nutritional quality of food								
	(C)	C) Extend the storage period								
	(D)	All of the abo	ve							
101.	Food	safety and Stan	dards Act, 200	6 contains		number of chapters.				
	(A)	XII	(B) XI	(C)	VIII	(D) X				
102.	NABI	L stands for								
	(A)	(A) National Analytical Board for Laboratories.								
	(B)	B) National Accreditation Board for Testing and Calibration of Laboratories								
	(C)									
	(D)	National Anal	ytical Board fo	r Testing a	nd Calil	bration 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 Labo	ratory	(B)	Food.	Analyst				
	(C)	FSSAI		(D)	Centra	al 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 Roun	d Agreement	(B)	Urugu	ay Round Agreement				
	(C)	Zurich Round	Agreement	(D)	India	Round Agreement				
105.	Code	x Alimentarius	Commission w	as created b	y joint	efforts of				
	(A)	WHO and Wo	orld Bank	(B)	WHO	and FAO				
	(C)	WHO and FO	О	(D)	WHO	and FSO				
106.		work required to				ional to the logarithm o	f the ratio			
	(A)	Rittinger's lav	V	(B)	Kick's	s law				
	(C)	Bond's law		(D)	Boyle	's law				
Set -	A			13			FT			

	(A)	Δ P is minimum at start and maximum at the end of the filtration run.								
	(B) ΔP is constant throughout the run.									
	(C)	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 filterin	g efficiency							
	(B)	decrease the filterin	g efficiency							
	(C)	give body to the filt	rate							
	(D)	increase the mass o	fcake							
109.		ultiple effect evapora								
	(A)	600 (B)	2400	(C)	6000	(D)	1600			
110.	The n	noisture content in ex	cess of equilib	rium i	noisture conte	ent is c	called			
	(A)	Saturated moisture		(B)	Free moistur	re cont	tent			
	(C)	Specific moisture o	ontent	(D)	None of the	above				
111.	Whic	h of the following is	variable area n	neter ?						
	(A)	Venturi meter		(B)	Rota meter					
	(C)	Orifice meter		(D)	All of the ab	ove				
112.	The r	ratio of vapour pressi	are of A to va	pour	oressure of B	is cal	led as of	A with		
	(A)	Volatility		(B)	Diffusivity					
	(C)	Relative volatility		(D)	Relative diff	usivit	у			
113.		er Stephan – Boltzr ortional to fourth pow		total	energy emitt	ed by	a black body o	lirectly		
	(A)	Surface area		(B)	Emissive po	wer				
	(C)	An absolute temper	ature	(D)	Energy					
Set -	A			14				FT		

107. In Constant rate filtration

114.	SI un	it of overall he	at tran	sfer c	oefficier	it 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 ten	nperati	ire at	which th	ne					
	(A)	Boiling occu	rs			(B)	Evaporatio	n occui	S		
	(C)	Condensation	n occu	rs		(D)	Freezing o	ccurs			
116.	Natur	al convection	is char	acter	ized by						
	(A)	Grashof num	ber			(B)	Peclet nun	ber			
	(C)	Reynolds nu	mber			(D)	Prandtl nu	mber			
117.	What	is the effect of	f the bo	oiling	point el	evation	in multiple	effect o	evapora	itors ?	
	(A)	Reduce the c	apacity	Y		(B)	Reduce the	econo	my		
	(C)	Increase the	econor	ny		(D)	Increase ca	pacity			
118.	Which of the following laws is associated with the amount of crushing energy required to create new surface ?							equired to			
	(A)	Kopp's law				(B)	Fourier's l	aw			
	(C)	Fick's law				(D)	Rittinger's	law			
119.	Const	ant rate period	l is tha	dryi	ng perio	d durin	g 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 v	aporiz	ation	decrease	with t	he time				
120.	The a	ngle formed b	y pour	ing a	powder	as heap	on a flat su	rface is	known	as	
	(A)	Contact angle	e			(B)	Angle of n	ip			
	(C)	Angle of rep	ose			(D)	Critical an	gle			
Set -	A					15					FT
											-

SPACE FOR ROUGH WORK



FOOD TECHNOLOGY (FT) SET-A

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

NOTE: The Information provided here is only for reference. It may vary the Original

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