

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	e 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
- 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/hell is given.

FT-16-A





FOOD TECHNOLOGY (F1)

1.	The p	orgment type in	brinja	l is					
	(A)	Carotenoid	(B)	Anthocyanin	(C)	Caramel	(D)	Chlorophyll	
2.	Phyto	ol chain is prese	ent in						
	(A)			Chlaranhull	100	Usuvalskin	(D)	Discoursing	
	(.3)	Carotenoius	(D)	Chlorophyll	(C)	пенодюен	(12)	Tuycocyanin	
3.	Whic	h amino acid h	as an a	aromatic pheno	lic sid	e chain?			
	(A)	Histidine	(B)	Cysteine	(C)	Tyrosine	(I)	Tryptophan	
4.	Hops	are used in the	mann	facture of					
(8.5)	111 00000	Wine		Beer	(*)	Vinegar	(1)	All of these	
						170			
5.	Prote	ins taking part	in the	perception of i	mage	are			
	(A)	Rhodopsin ar	nd pep	sin	(\mathbf{B})	Rhodopsin a	nd 100	łopsin	
	(C)	Pepsin and io	dopsii	1	(1)	All the three	as ab	ove	
6.		emulsifier is an							
	(A)	Glyceryl mor	10Sleat	rate		Sodram stear			
	(C)	Lecithin			(D)	None of the	above		
7.	Bacte	eria do not surv	ive in	highly salted p	ickles	because			
		Bacteria are l							
	(B)	Salt inhibits i							
	(C)			ain essentia! nu	urient				
	(D)	Bacteria do n							
8.	Aflat	oxin is a type o	ď						
	(A)	Plant toxin			(B)	Fungal toxin			
	(C)	Bacterial tox	in		(D)	None of the	above		
9.	Poly	aromatic hydro	earboi	ns are actione of					
85.50	(A)	Plant toxin	- 341 [-7/]	are a type of	(B)	Fungal toxin			
	(C)	Bacterial tox	in		(D)	Environment		ntaminant	
Set -		Dacterial (O.)	11.3		2	Literation	ai coi	pentillinit	F
oct.	/1				**				Г



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IU.	WILL	FOI THE TOHOW I	ny na	s по ащенуще (и кен	nue group		
	(A)	Fructose	(B)	Glucose	(C)	Sucrose	(D)	Maltose
11.	Adequ	racy of blanchi	ng of	fruits and vege	table s	milk is gene	rally ju	odged by
	(A)	Amylase test			(B)	Lipase test		
	(C)	Peroxidase tes	st		(D)	Phosphatase	test	
12.	This s	weetener is a p	rotein	Áve				
	(A)	Saccharin	(B)	Monellin	(C)	Stevioside	(D)	Dulein
13.	The b	ioactive compo	und ii	n pepper is				
	(A)	Piperidine	(B)	Piperizine	1()	Piperine	(D)	Piperidizine
		0.000 • 1.000 0.00		500 - 1		500*1 S205555		1000 * Gallery Tolkerant
14.	Which	ı fatty acid is e	ssentia	al and has three	e doub	de bonds		
		Linoleic acid				Linotenic ac	id	
		Arachidonic a	cid		(1)	None of the	above	
15.	The p	rimary structur	e of a	protein is due	to			
	14.420.000.000.000	Hydrogen bor		•		Peptide bon	ds	
		S-S linkage	0.00720			Ionic bonds		
16.	This i	s not a metalloj	orotei	1:				
		Phytochrome			(C)	Glycoprotei	n (D)	Ferrodoxine
	9.34	8	,					
17.	This	ompound is res	sponsi	ble for buter to	iste in	erane fruit		
	(A)	Limonin				(A) (B)	(D)	Both (B) & (C)
	1. 1		(Distribution (C)
18.	Enzyr	ne A has a K	of 10:	² M. while en	nme I	R bas a K of	10-4 N	M Which fact is true?
	220	07.5%				5355		
	(A) (B)			iger affinity to				
				onger affinity (Goire Coorbo			Enzy	ne D.
	(C)			ffinity for the :				
	(D)	K _m is not reta	ted to	the affinity of	the su	ostrate.		
	N20 32	WY 00 88 00		9 9H9 40H				
19.	This g	lycoside has a	sterox	dal backbone :				
	(A)	Saponins			(B)	Naringin		
	(C)	Anthocyanin			(D)	None of the	above	
Set -	A				3			FT



w.	Cocn	zynics fatta a	na rai	Date actived	пош у	namm			
	(A)	B_{i}	(B)	B_2	(C)	B ₆	(D)	B_{12}	
	70.	7 5 50							
21.		sugar can be to		Course September 1900/2001					
	(A)	1.actose	(B)	Maltose	(C)	Fructose	(D)	Glucose	
22.	Whic	h of these vita	mins 15	sulphur cont	aining :	1			
	(A)	Folic acid			(B)	Pantothenic	acid		
	(C)	Biotin			(D)	All of the al	NTNU.		
23.	D.G.	iency of this v	itamin	rambe in as	arci al	san eda a			
							115	T	
	(A)	A	(B)	V	1(_)	Б	(1)	E.	
24.	Anae	robic respiration	on of a	nimals produ	ces				
						Lactic acid -	+ wate	er	
	(C)	$C_2H_5OH + O$ Glucose + O	_		iD)	CO + H O			
	11	Oldeose 1 O	2			CO2 11120			
25.	A goo	od quality ice-	cream :	should have					
	(A)	Small number	er of sr	nall sized ice	crystals				
	(B)	Small numbe	er of la	rge sized ice	crystals				
	(C)	Large numbe	er of sr	nall sized ice	crystals				
	(D)	Large numbe	er of la	rge sized ice	crystals				
26.	Stalin	ig of <i>idlis</i> is du	ie to						
	(A)	Denaturation		stein	(B)	Gelatinizatio	in of s	ator b	
	(C)					All of the ab		1,564 61-	
27.	This p	polysaccharide	is pre	sent in oats:					
	(A)	α-Glucan	(B)	β-Glucan	(C)	a, β-Glucan	(D)	All of the above	
28.	Whie	h sucar will oi	ve mai	cimum Maill:	ard brow	ming on react	ion w	ith amino acid ?	
end t	(A)	Glucose		Fructose		Lactose		Sucrose	
2,,4	A				4				FT
oct -	14				4				L I



49.	Suga	rs mainty present in noney 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	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.	Spec	ific gravity can be used to estimate		
	(A)	Protein in a beverage	(B)	Minerals in water
	(C)	Alcohol in beer and wine	([)	None of the above
32.	Nutra	aceuticals associated with Age Rela	ted Ma	icular Degeneration are
	(A)	Lycopene and lutein	(\mathbf{B})	Zeavanthin and lycopene
	(C)	Lutein and zeaxanthin	1]):	All the three as above
33.	This	product has the lowest water activit	y:	
	(A)	Watermelon (B) Jam	(C)	Potatoes (D) Tee trozen at =50°C
34.	Conc	hing and refining are operations in	rolved	in.
	(A)	Coffee processing	(B)	Cocoa processing
	(C)	Spice processing	(D)	None of the above
35.		ad samples A and B have a bulk defollowing is true?	ensity	of 0.430 and 0.330, respectively. Which of
	(\mathbf{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	FI



	Tir dos	eptic processii	ng. Stermiza	aron or pe	revaging	t material is	(terne)	·u	
	(A)	by passing t	hrough an	alcohol ba	ath				
	(B)	by passing t	ınder UV 1	amp					
	(C)	by passing t	hrough hye	drogen pe	roxide				
	(D)	by passing t	hrough IR	lamp					
39.	Carbo	onation of bev	erages is b	est done a	at				
	(A)	10 °C	(B) 20) °C	(C)	30 °C	(D)	40 °C	
40,	Mass	spectrometry	is based o	n					
	(A)	Charge of th	he molecul	2	1B)	Mass of th	ie molec	rule	
	(C)	Mass/Charg	e ratio		([))	None of the	ie above		
41.	This	polysaccharid	e is of mici	robial orig	in				
	(A)	Guar gum			(B)	Gum trag.	icanth		
	(C)	Xanthan			(D)	Gum kara	ya		
42.	Oleon	resins are obta	ined from						
	(A)	Oilseeds	(B) O	ils	(C)	Seeds	(D)	Spices	
43.	Freez	ing takes long	ger than the	wing und	er other	wise simila	r condit	ions because	
	(A)	Thermal cor	nductivity	it ice is n	ore that	that of liqu	uid wate	٠r	
	(B)	Density of i	ce is less tl	ian that of	f liquid	water			
	(C)	Specific hea	it of ice is l	less than t	hat of li	quid water			
	(D)	All the abov	/e						
44.	This	water is most	suitable fo	r carbonat	ion of b	everages :			
	(A)	Soft water			(B)	Mildly ha	rd		
	(C)	Medium hai	rd		(D)	Very hard			
45.	The c	olour of black	c tea is due	to					
	(A)	Oxidation o	f carbohyd	rates	(B)	Oxidation	of lipid	S	
	(C)	Oxidation o	f chloroph;	VII	(D)	None of th	ne above	1	
Set -	A				6				FT



40,	LIIIU	ent nom mis mausify win have mas	amum	UUD.	
	(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	oolymer is biodegradable :			
	(A)	Polypropylene	(B)	Polyester	
	(C)	Polylactic acid	ı[]ı	Polyvinyl chloride	
49.	This	packaging material would have low	esi 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	1[]:	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-rol	
52.	The r	heological behaviour of tomato kete	chup is	;	
	(A)	Newtonian	(B)	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)		eter		
	(D)	All of the above			
54.		odextrins are characterized in terms			
	(A)	Dextrinising Units	(B)	Dextrose Equivalent	
	(C)	Dextrinising Equivalent	(D)	All of the above	
Set -	A		7		FT



22.	тие р	пистріє от гуорії	nization is dascu o	11				
	(A)	Boiling of wate	Γ	(B)	Sublimation	of w.	ter	
	(C)	Freezing of wat	er	(D)	All of the abo	ove		
56.	Gossy	pol is a toxic cor	istituent in this oil	1				
	(A)	Groundmut (B) Rapeseed	(C)	Cottonseed	(D)	Jatropa	
57.	This i	s an assay for ant	ioxidant activity.					
	(A)	DPPH assay (B) FRAP assay	(C)	ABTS assay	(D)	All of these	
58.	Olive	oil is a rich sourc	ce of					
	(A)	Polyunsaturatec	l fatty acids	(\mathbf{B})	Saturated fat	ty aci	ds	
	(C)	Monounsaturate	ed fatty acids	(D)	None of the	above		
59.	The b	ioactive nutraceu	tical component p	resent	in rice bran oi	lis		
	(A)	Vitamin A (B) Coenzyme A	(C)	Phytosterols	(I)	Oryzanol	
60.	А дос	d frying oil shou	ld have					
	(A)	Low smoke poi	nt and low flash po	oint				
	(B)	High smoke por	int and high flash p	oint				
	(C)	Low smoke poi	nt and high flash p	oint				
	(D)	High smoke po	int and low flash p	oint				
61.	Sodiu		processing brings	about				
	(A)	Formation of ni						
	(B)	Retention of co	lour					
	(C)	Inhibition of C/	ostralium botalinu	m				
	(D)	All of the above	2					
62.	As co	mpared to cocom	ut oil, groundnut o	il has				
	(A)	Low saponification	tion value and low	iodin	e value			
	(B)	High saponifica	tion value and hig	h iodi	ne value			
	(C)	High saponifica	tion value and low	iodin	ie value			
	(D)	Low saponifica	tion value and high	ı iodir	ie value			
Set -	A			8				FT



uə.	vitan	nins not prese	ասեթ	am 1000s are					
	(A)	Vitamins A.	D and	E	(B)	Vitamins A.	K and	$1\mathrm{B}_+$	
	(C)	Vitamins A.	D and	B ₁₂	(D)	Vitamins D.	B ₁ an	nd B ₁₂	
64.	β-An	ıylase cleaves	starch	to					
	(A)	Głucose	(B)	Maltose	(C)	Limit dextri	n(D)	All of these	
65.	These	e amino acids	give a y	yellow colour (m reac	ction with anil	ine hy	vdrogen phthalate :	
	(A)	Proline and	valine		(\mathbf{R})	Value and h	ydro	(yproline	
	(C)	1.eucine and	proline	2	(1)	Proline and I	ivito	xyproline	
66.	This	polysaecharid	e is a po	olymer of galet	uronk	acid:			
	(A)	Cellulose	(B)	Chitin	(C)	Pestin	(1)	Amylopectin	
67.	The I	imiting amino	acid in	cereals is:					
	(A)	1.ysine	(B)	Methionine	(C)	Valme	([))	Leucine	
68.	This p	protein is a tra	insport	protein:					
	(A)	Collagen	(B)	Hemoglobin	(C)	Hordein	(\square)	Glycoprotein	
69.		amino acid is	•						
	(A)	Tyrosine	(B)	Methionine	(C)	Tryptophan	(D)	Arginine	
70.	This	amino acid is	the pred	cursor of ethyle	ene in	fruits :			
	(A)	Cystine	(B)	Valine	(C)	Histidine	(D)	Methionine	
71.	Paste	urization of m	nlk is ai	insed to inhibit					
	(A)	Bacillus sub	tilis		(B)	Salmonella 1	yphin	nteritem	
	(C)	Mycobacter	um rub	verculosis	(D)	Vibrio chole	rae		
72.	Durin	ig cooking, ric	e unde	rgoes					
	(A)	Hydrolysis	of stare	h	(B)	Gelatinizatio	on of s	starch	
	(C)	Retrogradat	ion of s	tarch	(D)	All of the above			
Set -	A				9				FT



Set -	A				10				FT
	(A)	Proteins	(B)	Carbohydrate	s(C)	Polyphenois	(D)	All of these	
82.	The a	stringency in te	ea is at	ttributed to					
	(A)	Calcium	(B)	Sodium	(C)	Iodine	(D)	Magnesium	
81.	This i	nineral is assoc							
	(C)	Głucose and g	galacti	ose	(D)	All of the ab	97.0		
80.	(A)		nanne	nse	(B)	Galactose ar	ĸl mai	тполе	
19.	(A)	s an indicator c Uric acid		Citire acid					
70		1 1 P 10							
	(D)	All of the abo				1			
	(C)			wheat not clea		operly			
	(A) (B)			ed with microc sprouted whea	, 850	1115			
78.		insoluble ash in							
						-			
77.		eficiency of thi Folic acid	s vita (B)	7.7		r megaloblast B s		mia All of these	
	(2)	Пуцгорновіс	45500	iations	(12)	An or the ab	010		
	(A) (C)	Hydrogen bor Hydrophobic		iations		Peptide bone All of the ab			
76.		dary structure		rotein is due to		D	ř.		
	(A)	Pectin	(B)	Chitin	(C)	Chitosan	(D)	Cellulin	
75.	This p	oolysaccharide	is pres	sent in the exo:	skeleto	on of prawns a	and er	abs :	
74.	A pne (A)	spholipid prese Phytosterol		Cholesterol	(C)	Lecithin	(D)	All of these	
74	1 ab	ook din Lara	ont in	a a reall as					
		Sugar and act				All the three		ove	
		Pectin and su			(B)	Pectin and a	cid		
10.	THE R	exture in jams i	s que	10					



oo,	11118 0	can work as a c	ocoa t	outter Suosinut	۲.				
	(A)	Coconut oil			(B)	Hydrogenatt	ed ve	getable fat	
	(C)	Mango kerne	l fat		(1))	All of the ab	ove		
84.	This s	starch has the b	iggest	size among th	e follo	wing:			
	(A)	Rice	(B)	Wheat	(C)	Potato	(D)	Corn	
85.	A dia	betic would bei	nefit n	nost from					
	(A)	Food having	low G	I	(B)	Food having	low	holesterol	
	(C)	Food having	low so	dium	(1)	All of the ab	175		
86.	Ajino	moto is chemic	ally						
	(A)	Monosodium	aspar	tate	(\mathbf{B})	Monosodiun	n gluta	anxite	
	(C)	Disodium asp	artate		(\prod)	Disodium gl	utama	ite	
87.	Amor	ng the following	g, this	is the richest s	source	of vitamin C	9		
	(A)	17 m	700	Amla juice				Litchi juice	
88.	The h	ydrocolloid sho	owing	maximum hys	teresis	18 1			
	(A)	Gelatin		Alginate			(D)	Starch	
89.	Tetra	pyrrole structur	e is a	anmon betwee	'n				
~~.		Chlorophyll a				Haemoglobi	n and	lycopene	
		Chlorophyll a		7. T.				8-4	
		00.560 (±00.50000 ♣ 10.5 ≠ 00.500) (Walter Control of the					
90.	The c	o-factor for the	enzyı	me polypheno!	oxida	se is			
	(A)	Magnesium	(B)	Iron	(C)	Zinc	(D)	Copper	
91.	Const	ituents involve	d in th	ne formation of	f 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	s and r	nitrite	
92.	Vitan	un involved in	synthe	esis of collage	n 15				
		Pantothenic a		an a	(B)	Folic acid			
	(C)	Vitamin C			(D)	Riboflavin			
Set -	A				11				FT



73,	Annu.	o acids essenii	JI 101 I	шашу ше			
	(A)	Arginine and	methi	onine	(B)	Histidine and met	hionine
	(C)	Arginine and	histid	ine	$(\mathrm{D} \cdot$	Arginine, methior	nine and histidine
94.	The a	mino acids vita	al in fu	nctionality of	gluten	are	
	(A)	Lysine and e	ysteino		(B)	Cysteine and cyst	ine
	(C)	Cystine and I	ysine		(D)	All the three as ab	ove
95.	Hydro	ocolloid showi	ng thei	mally reversib	le, tra	nsparent and elastic	gelis
	38	Agar		87		Carrageenan (D)	
	88.16			S 19350	2		
96.	Hydro	ocolloid having		eh:			
	(A)	Guar gum	(B)	Gum Arabic	(C)	Gum karaya (D)	Gum tragacanth
97.	This	chromatograph	y is ge	nerally used fo	r anal	vsis of fatty acid co	omposition in toods
	(A)	High Pressur	e Liqu	id Chromatogr	aphy		
	(B)	Gas Chromat	ograpi	ny			
	(C)	Thin Layer C	hroma	tographty			
	(D)	Supercritical	Fluid	Chiomatograpi	hy		
98.	The v	itamin injected	l in ne	wborns is			
	(A)	Vitamin C	(B)	Vitamin B ₁	(C)	Vitaniin K (D)	Vitamin A
99.		iemic index is: least affected b		sure of the amo	sunt o	f glucose released p	ostprandial and is likely
	(A)	Carbohydrate	type (or content in fo	iod		
	(B)	Fat content in	ı food				
	(C)	Soluble fiber	conte	nt in food			
	(D)	Mineral conto	ent in 1	food			
Set -	A				12		FT



rou.	тие о	the objective of fermening a food substrate is to								
	(A)	Improve the sensor	y properties of th	ie fo	food					
	(B)	Increase the nutrition	anal quality of fo	od	f.					
	(C)	Extend the storage	period							
	(D)	All of the above								
101.	Food	safety and Standards	Act, 2006 conta	ins	s number of chapters.					
	(A)	A 2007 1550	XI (
102	NIADI	, stands for								
102.	(A)	DEVENT OF THE PERSON OF THE PE	Donal for Library							
	(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 Testii	ug al	and Calibration of Laboratories					
103.	103. If the test reports for the sample of analysis are found to be at variance, then de officer shall send one part of sample to									
	(A)	Referral Laboratory	¢ i	$\mathbf{B}_{\mathcal{F}}$	Food Analyst					
	(C)	FSSAI		D)	Central Laboratory					
104.	Barric harms	ers to Trade (SPS onization of food star	and TBT Ag idards.	reen	and Phytosanitary Measures and on Technic ements) both encourage the internation					
	(A)	Uganda Round Agr		В)) Uruguay Round Agreement					
	(C)	Zurich Round Agre	ement (D)	India Round Agreement					
105.	Code	Alimentarius Comi	mission was creat	ted t	I by joint efforts of					
	(A)	WHO and World B	ank (В)) WHO and FAO					
	(C)	WHO and FOO	(D)) WHO and FSO					
106.		vork required for ci en the initial and fina	and the state of the second state of the second	5.000	s proportional to the logarithm of the rat	io				
	(A)	Rittinger's law	(B)) Kick's law					
	(C)	Bond's law	(D)) Boyle's law					
Set -	A		1	3	3	FΊ				



(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)	(C) ΔP is maximum at start and minimum at the end.								
	(D)	(D) Independent of ΔP .								
108.	Filter	aid is used to								
	(A)	increase the filtering efficie	ency							
	(B)	decrease the filtering efficie	ency							
	(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 day when it is concentrating from 10 % to 25% solids. The water evaporated kg pe										
	(\mathbf{A})	600 (B) 2400	(C)	6(300	(D) 1600					
110.	The r	noisture content in excess of	equilibrium i	noisture con	em is call ed					
	(A)	Saturated moisture	(B)	Free moisti	re-content					
	(C)	Specific moisture content	(D)	None of the	above					
111.	Whic	h of the following is variable	area meter ?							
	(A)	Venturi meter	(B)	Rota meter						
	(C)	Orifice meter	(D)	All of the a	bove					
112.	The respe		A to vapour p	pressure of E	is called as of A wi	h				
	(A)	Volatility	(B)	Diffusivity						
	(C)	Relative volatility	(D)	Relative dit	fusivity					
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 po	nwer					
	(C)	An absolute temperature	(D)	Energy						
Set -	A		14		1	·Т.				

107. In Constant fate intration



114.	51 UII	n or overan ner	actran	SICI CUCIIK	ICHI 15					
	(A)	$W/(m^2 K)$	(B)	(m2 K)/W	(C)	Wm² K	(D)	W K/m		
115.	Dew	point is the ten	nperati	ure at which	h the					
	(A)	Boiling occur	rs		(B)	Evaporatio	n occu	rs		
	(C)	Condensation	i occil	rs	(D)	Freezing o	ccurs			
116.	Natur	ral convection i	s char	acterized b	y					
	(A)	Grashof number			(B)	Peckt number				
	(C)	Reynolds nur	nber		(I)	Prandil nu	mber			
117.	What	is the effect of	the b	oiling point	elevation	in multiple	effect (evaporator	rs ?	
	(A)	Reduce the ca	apacit	У	= (B)	Reduce the	econo	my		
	(C)	Increase the e	econoi	my	([)	Increase ca	apacity			
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	H_{2}^{2}			
	(C)	Fick's law			(D)	Rittinger's	ia W			
119.	Cons	tant rate period	is tha	t drying pe	riod durin	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)	The rate of vaporization increase with time								
	(D)	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									
	7.1	Contact angle	3		(B)	Angle of n	ip			
	(A)	-								
	(A) (C)	Angle of repo	se		(D)	Critical an	gle			



SPACE FOR ROUGH WORK





