Test Booklet No.	
This booklet consists of 150 questions and 22 ]	printed pages.
RGUPET/2024/ /	

## RGUPET 2024 Common Entrance Test, 2024

## DOCTOR OF PHILOSOPHY IN FOOD TECHNOLOGY

Hours	11me: 3
Roll No.	
Day and Date of Examination:	
Signature of Invigilator(s)	
Signature of Candidate	

General Instructions:

## PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 150 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall within two hour.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy.

1	Which ministry was responsible for creating the 'One Stop Centre Scheme'?					
	a) Ministry of	b)Ministry of	c) Ministry of	d) Ministry of	option	
	Rural Development	Finance	Women and Child Development	Agriculture	С	
2	Which Tennis plays	er won the Wimbled	on men's single tit	tle in 2023?	Answe r option	
	a) Rafael Nadal	b)Novak Djokovic	c) Stefanos Tsitsipas	d) Carlos Alcaraz	d	
3	What is the name o and Anthropic?	f the new forum cre	ated by OpenAI, N	Aicrosoft, Google,	Answe r option	
	a) Learning Model Forum	b)Frontier Model Forum	Forum	d) Knowledge Model Forum	ь	
4	Which of the follow folk dance called 'I				Answe r option	
	a) Jammu	b)Assam	c) Arunachal Pradesh	d) Lakshadweep	ь	
5	Which organization proposed three alter		_	te agreement, that	Answe r option	
	a) UN	b)IMF	c) WEF	d) IUCN	a	
6	Statement 1: Mrs. president of the Ind Statement 2: Mrs. in free India.	ian National Congr	ess		Answe r option (a, b, c or d)	
	a) Statement 1 True, and statement 2 False	b) Both statements 1 and 2 are True	c) Both statements 1 and 2 are False	d) Statement 1 False, and statement 2 True	a	
7	implantable bioarti	ficial pancreas grow	n within a 3D silk		Answe r option	
8	a) IIT Bombay <b>Statement 1:</b> RIW	b)IIT Delhi	c) IIT Kanpur	d) IIT Guwahati	d Answe	
8	Traditions Cultures Statement 1: RIW. Pradesh	and Heritage'			r option (a, b, c or d)	
	a) Statement 1 True, and statement 2 False	b) Both statements 1 and 2 are True	c) Both statements 1 and 2 are False	d) Statement 1 False, and statement 2 True	b	

9		discovered the doub	le helix structure	of DNA?	Answe
,		discovered the doub	Te fielly structure (	of DIVA:	r
					option
					(a, b, c
					or d)
	a) Louis Pasteur	b) James Watson	c) Robert	d) All of the	b
	a) Louis i asicui	and Francis	Hooke	Above	U
		Crick	HOOKC	Above	
10	Match List I with				Answe
10	With List I with				r
	List I		List II		option
		Nyctalopia	1. Niacin		(a, b, c
					or d)
	B.	Macrocytic anaemia	2. Vitami	n B12	,
	C.	Osteomalacia	3. Vitami	n D	
	D.	Pellegra	4. Vitami	n A	
	a) A-2, B-1, C-4,	b) A-3, B-4, C-1,	c)A-4, B-1, C-3,	d) A-4, B-2, C-3,	d
	D-3	D-2	D-2	D-1	
11	Choose the	correct answer	to complete	the sentence:	Answe
	Did you meet each	other at the universi	ty? He asked then	1	r
					option
					(a,b,c
					or d)
	a)if did they meet	b)if they'd met at	c)had they met	d)have that meet	b
	at the university	the university	at the university	at the university	
12		rith appropriate non-			
	She called him bec		his whereab		
	a) to know	b) know	c) knowing	d) both a & c	a
13	Which of the follow	wing is not a synony		1	
	a) Transport	b) Consignment	c) Payload	d) Merchandise	a
1.4	C: 1 1 C	. 11 1	D: 1.41	1	
14		ur jumbled sentences	s. Pick the option ti	nat gives the correct	
	order A. Some of the	Vitamin A miala aan	mana of foods ama	namata animaah and	
		e Vitamin A rich sou	rces of foods are c	carrots, spinach and	
	meat B. A research	atudy has found th	at the Vitamin A	intolea raduca alein	
	cancer risks.	study has found th	ai iiic vitaiiiiii A	make reduce skill	
		I that we should cons	ume a diet with fr	uite and vegetables	
	20	has been published in			
	a) ABDC	b) BADC	c) CABD	d) BDCA	d
	u) ADDC	oj babe	C) CADD	a) bbch	u
15	Identify the sentence	• 1			
		ea, he shows up late.			
	a)Compound-	b)Complex	c)Simple	d)Compound	a
	complex sentence	sentence	sentence	sentence	
16	Base 10 refers to w	hich number system			
	a) Hexadecimal	b) Octal	c) Decimal	d) Binary coded	c
				systems	
17	The coordinates of	origin are			

	a) (0,0) & (0,0,0)		, , ,	(1,1,1)	d) Both a & c	a
18	The ratio of A: B: C	is 1:4:5.	How muc	ch C will make wit	h ₹ 500?	
	a) 200	b)100		c) 250	d)50	С
19	Choose from the funderlined word. Because of injury, y				in meaning to the	
	a) Body parts	b)Pins		c) Jots	d) limbs	d
20	Close ended question	ons are tho	ose that			
	a) have a fixed range of possible answers	responde allocatin	ves to a	c) encourage detailed, elaborate responses.	d) make the respondent provide a guarded answer	a
21	What was the title by the Indian Army			_	conducted recently	Answe r option
	a) Nabh Shakti	b)Strike	Shakti	c) Shravan Shanti	d) Brahmastra Shakti	a
22	Snowball sampling	is a techn	ique for s	electing a sample ι	asing	Answe r option
	a) networks	b) snowl	balls	c) groups	d) computer programs	a
23	Match the following	g:				
	List I			List II		
	(Scales of measure	ement)	(Descrip	otion of properties)		Answe
	A. Nominal			cation, order and ed		r option
	B. Ordinal		i.Exists o	f true zero point		
	C. Interval		i.simplest	form of scale		
	D. Ratio		classific.	ation and order		
	a) A-iii, B-iv, C-i, D-ii	D-iii		c) A-iii, B-i, C-iv, D-ii	D-iii	a
24	The specification of information to struct		_	_	iring the necessary	Answe r option
	a) Research hypothesis	b) problem	Research s	c) Research design	d) Research data	С
25	• -	lue of me			values of some data	Answe r option
	2) 5	b) 6		c) 7	4) 8	0
<u></u>	a) 5	b) 6		c) 7	d) 8	С

26	The sum of absolu	ite deviations is m	ninimized when ca	alculated from the	Answe
					r
					option
	a) mean	b) median	c) mode	d) upper quartile	b
27	What will be the va	/	/	/ 11 1	Answe
21	and the standard de			ican of distribution	r
	and the standard de	viation are 20 and 0	, respectively.		option
					option
	a) 31.23%	b) 31.54%	c) 30.12%	d) 30.76%	d
28	Which two of the fo	ollowing statement a	are true?		
					Answe
		f the normal distrib			r
		distribution is also			option
		linked to the tails of	of a normal distribu	ition, whereas	1
	kurtosis pertains to			1	
	D. Quartiles div	vide the entire data		T -	
20	/	b) B & D	c) A & C	d) A & D	a
29	The most suitable a	na dependable scale	es for measuring a	single attitude are:	Answe r
					option
					option
	a) Arbitrary scales	b) Thurstone	c) Likert-type	d) Differential	
		scales	scales	scales	d
30	Which of the follow			1	
		C			
	A. When samp	le size increases, the	e standard error de	clines.	Answe
	B. The validity	and reliability of d	ata should be check	ked occasionally.	r
		npling is helpful as	it is an economical	l method of data	option
	collection.				
		ner should never rep	oort flaws in proce	dural design and	
	estimate their effect		I	T = -	
	a) A & C	b) A & D	c) B & C	d) B & D	d
31	What properties cha	racterize the standa	ard normal distribu	tion?	Answe
					r
					option
	a) mean =	b) standard	c) mean $= 0$ , and	d) mean = 0 and	
	standard deviation	deviation =	variance = 1	variance = 0	С
	Startage GO ( Table)	variance = 0	, arrange 1	, arrance	
32	Identify those two v		n-probability samn	ling procedures:	
	i.Purposive sampling		1 7 1	81	Answe
	i.Quota sampling				r
	i.Cluster sampling				option
	Systematic samplin	g			
	a) i& iii	b) i & ii	c) iii & iv	d) ii & iv	b
33	Choose the correct	option for the follow	wing statements		Answe
	Statement 1: Repr	-	rson's work, their	words and/or ideas	r
	as your own is term				option
	Statement 2: Not	acknowledging th	e sources your id	leas build upon is	(a, b, c
	plagiarism				or d)

	a) Statement 1	b) Both	c) Both	d) Statement 1	b
	True, and	statements 1 and	statements 1	False, and	
	statement 2 False	2 are True	and 2 are False	statement 2 True	
34	Which of the follow	ving is not a type of	research report		Answe
					r
					option
					(a, b, c or d)
	a) Thesis/	b) Research	c) Text book of	,	c
	dissertation	paper	a subject	Seminar	
				Research paper	
35	Research journals			considered to be	Answe
	more important that	n those with lower of	ones.		r option
					(a, b, c
					or d)
	a) Eigen factor	b) Impact factor	c) H-index	d) i10 score	b
36	Who is responsible	for assessing ISBN	in India?	l	Answe
					r option
					(a, b, c
					or d)
	a) National	b) Imperial	c) Raja Ram	d) National Book	С
	Library, Kolkata	Library, Kolkata	Mohan Roy Foundation,	Trust, New Delhi	
			Kolkata		
37	ISSN stands for	·			Answe
					r option
					(a, b, c
					or d)
	a) International Standard Social	b) International Source Serial	/	d) Indian Standard society	С
	Number Social	Number	Number	Number	
			T (dillio di	1 (4)	
38	Match List I with	List II			Answe
					r option
	T'AT	F * 4 FF		1	(a, b, c
	List I A. ANOV	List II  VA 1. It is a	a point on the sca	ale of the test	or d)
	A. ANO		ond which we re		
		hypothesis			
	B. Chi-square test	2. Used given sample	to compare the i	mean of two	
	C. T-test	3. Used		categorical	
		variables.			
	D. Critica		to compare the	ree or more	
	value	samples with	a single test.		

	a) A-4, B-3, C-2, D-1	b) A-3, B-4, C-1, D-2	c) A-4, B-1, C-3, D-2	d) A-4, B-2, C-3, D-1	a
39	The study in which	the investigators at	tempt to trace an el	ffect is known as:	Answe
					option (a, b, c or d)
	a) Survey Research	b) Summative Research	c) Historical Research	d) 'Ex-post Facto' Research	d
40	We	use	Factorial	Analysis:	Answe r option (a, b, c or d)
	a) To know the relationship between two variables	b) To test the Hypothesis	c) To know the difference between two variables	d) To know the difference among the many variables	d
41	Trait of a characteri	stic that can assume	e more than one va	lue.	Answe r option (a, b, c or d)
	a) Discrete Data	b) Ungrounded data	c) Population	d) Variable	ď
42	Generalized conclus	sion on the basis of	a sample is technic	cally known as:	Answe r option (a, b, c or d)
	a) Data analysis and interpretation	b) Parameter inference	c) Statistical inference	d) All of the above	a
43	Two types of refere	nce noting systems	used in Citation st	yles are	Answe r option (a, b, c or d)
	a) Footnote and Endnote	b) Under note and back note	and last note	d) Reference note and bibliographical note	a
44	What is the main ob			1) T	
	a) To review the literature	b) To summarize what is known already.	c) To obtain an academic degree	d) To uncover new facts to make fresh interpretation of known facts	d

45	Given below are tw	o statem	ents, one is	s Assertion A and	the other is Reason	
	A: One of the impo	rtant aim	s of research	ch is the developm	ent of a theory	
	B: Both facts				doing research	
	In light of the above	statemen	nts, choose	the most appropria	ate answer from the	
	following	1 2 2 1			Laste	
	a) Both A and R			/	· ·	1
	are correct and R		rect but R		but R is correct	ь
	is the correct		ne correct	correct.		
46	explanation of A  Match the following		tion of A			
40		3				
	A Applied Researc	:h	i Gatherir	ng knowledge skill		
	B Fundamental Re			solution of an im		
	C Longitudinal Re			ch carried on seven		
	D Qualitative rese			ch based on data	регосы	
	a) A-ii, B-i, C-iii,				d) A-i, B-ii, C-iii,	a
	D-iv	iii, D-ii		D-iii	D-iv	
47	In research, reliabi				t procedure which	
	provides	J	1 3		1	
	a) Repeatability	b) Pı	unctuality	c) Accuracy and	d) Speed and	a
	and accuracy	and acc	uracy	speed	repeatability	
48	What practical steps			e actually starting	a research?	
	a)Find out exactly	b)Make	sure one	c)Apply for	d) All of the	
	what one's	is fami	liar with	clearance of	above	d
	institution's		lware and	1 3		u
	requirements are	softwar		C		
	for a dissertation	plans to		committee.		
49	Which of the follow					
	a)Median	b)Mean		c)Mode	d)Variance	d
50	The conceptual fran	nework i	n which re	saarch is conducted	d is called a	
30	a) Research		Research			ь
	synopsis	design	Research	research	paradigm	U
51	The following state	J	e work rec		1 0	Answe
<i>J</i> 1	proportional to the					r
	is known as	_	. or the fath	o octivoch mittal a	mai didinotolis	option
						- 1
	a) Bond's law	b)Rittin	ger's law	c) Kick's law	d) Stokes' law	c
52	Dimension of Reyn	olds num	ber is	•••		Answe
						r
						option
	2-1	4 >= == 1	<del>-</del> 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 0 20 1 1	
	a) ML <sup>2</sup> T <sup>-1</sup>	b)ML <sup>-1</sup>		c) MLT <sup>-1</sup>	d) Dimensionless	d
53	Which of the follo	owing is	the most	suitable for transp	portation of sticky	Answe
	material?					r
						option
	Drawatic	b)Da1+ -	onvove	a) Camara	d) A	
	a) Pneumatic	b)Ben c	conveyor	c) Screw	d) Apron	c
<u></u>	conveyor			conveyor	conveyor	

54	Match List-I with L	ist-II.					
	List-I	T					
	A. Nusselt nu			mentum diffusivity	to		
			hermal diff				Answe
	B. Grashof nu			vective and diffusi	ve		r
			nass transf				option
	C. Sherwood			vective to conduct	ive heat		
	number		ransfer				
	D. Prandtl nui	a	fluid	yancy to viscous for			
	a) A-iii, B-iv, C-ii, D-i	b) A-ii, iii, D-i	B-iv, C-	c) A-ii, B-i, C-iv, D-iii	d) A-iii, D-ii	B-i, C-iv,	a
55	Which model is util			theory in accelerate	ed shelf-l	ife studies	Answe
	conducted at high to	emperatu	res?				r option
	a) Kirchhoff's	b) Fick'	s model	c) Arrhenius	d)Newto	on model	d
<i>5.6</i>	model	'1 1	ı' 1	model			
56	A fluid that exhibit	reversible	e time depo	endency is referred	to as		Answe
							r option
							option
	a) Thixotropic	b)Dilata	nt fluid	c)Pseudoplastic	d)Newto	onian	
	fluid	,		fluid	fluid		a
57	Which of the staten	nent is tru	e about the	e break-even point	?		
	value.			of the production education educates	-		Answe r option
	C. It occurs wh			equal the fixed co			
	a) Both A & B	b) Both	C & D	c) Only B	d) Only	D	С
58	Grading of fruits an	d vegetal	bles is defi	ned as			Answe r option
	a) assessment of overall quality based on single attribute	overall based o attribute		specific quality based on single attribute	specific based of attribute		ь
59	Which of the follow the membrane?	ing is no	t the drivin	ng force for materia	al transpo	rt through	Answe r
							option
	a) Concentration difference	b)Pressi differen		c)Flow rate difference	d)Electropotential differential	ıl	c

60	Match List-I with L	ist-II.			
	List-I		List-II		Answe
	A. Hammer m	nill i.Compressi	on and shear force		r
	B. Pin mill		shear force		option
	C. Attrition m				
	D. Roller mill	1	d frictional force		
	a) A-iii, B-ii, C-iv, D-i		c) A-ii, B-i, C-iv, D-iii	· ·	a
61	Determine the amo			iv, D-i	Answe
01	mixed with juice co	oncentrate containing			r option
	a) 40 kg	b) 50 kg	c) 60 kg	d) 70 kg	a
62	In Tetra Pak, the t	hinnest laver is	while th	ne thickest layer is	Answe
	·············	J	,	·	r option
	a) nylon and polyethylene	b) polyethylene and aluminium	c) aluminium foil and paper	d) polyethylene and paper	c
63	Which of the follow	ving statement is/ar	e true?		
	B. Oxygen is the C. The term "b bottles.	inert gas used in Me most soluble gas low moulding" is u	used in MAP. used during the production	_	Answe r option
	a) A & D	b) C & D	c) only B	d) A & C	d
			,		
64	The process of filling referred to as	ng sterile container	s with commercial	ly sterile product is	Answe r option
	a) active	b) passive	c) aseptic	d) intelligent	_
	packaging	packaging	packaging	packaging	c
65	Given below are to labelled as Justifica	tion (B):		<b>,</b> ,	Answe
	Assertion (A): Silv Justification(B): S effects. Choose the correct	ilver (Ag) exhibits a	a significant potenti	al for antimicrobial	r option
66	a) Both A & B false	b) A is true but B is false	c) Both A & B are true and B is the correct explanation of A	d) Both A & B are true and B is not the correct	c Answe
00	commonly practice			Topinent (141 D) is	r
	practice	a ili bevelai 100a ili	aabu 100 i		option
	1				Phon

	a) Parent-Child		· ·	· /	c
	method	method	method	method	
67	Food items that are		der the PFA act but	are granted patents	Answe
	are known as	••••			r option
					option
	a)Convenient	b)Proprietary	c)Speciality	d)Genetically	ь
(0	food	food	food	modified food	
68	A non-digestible for bacteria in the color		promotes the gro	owth of beneficial	Answe
	bacteria ili tile color	ii is kiiowii as			r option
					1
	a) Probiotic	b)Prebiotic	c) Symbiotic	d) Healthy biotic	b
69	The course of sales	and profits of a pro-	loduct throughout i	ts entire lifespan is	Answe
	referred to as		C	1	r
					option
	a) Marketing	b) Customer	c) Product	d)Product life	d
	management	lifetime value	lifetime value	cycle	u
70	The process of dev	eloping a new-prod	duct comprises sev	veral distinct steps,	Answe
	totalling	in number.			r
					option
	a) four steps	b) six steps	c) eight steps	d) ten steps	c
71	Given below are to	wo statements: one	labelled as Asser	tion (A) and other	Answe
			racefred as 1 isser	tion (11) und cuit	Allswe
	labelled as Justifica	tion (B):		. ,	r
	Assertion (A): per			. ,	
	Assertion (A): per obese.	tion (B): son with BMI betw	veen 18 to 25 kg/n	n <sup>2</sup> are classified as	r
	Assertion (A): per obese.  Justification (B):	tion (B): son with BMI betw  Obesity can result	veen 18 to 25 kg/n	n <sup>2</sup> are classified as	r
	Assertion (A): per obese.	tion (B): son with BMI betw  Obesity can result	veen 18 to 25 kg/n	n <sup>2</sup> are classified as	r
	Assertion (A): per obese.  Justification (B):	tion (B): son with BMI betw Obesity can result tion of junk food. answer from the op	reen 18 to 25 kg/n from decreased ph tions given below:	n <sup>2</sup> are classified as sysical activity and	r
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are	otion (B): son with BMI between the open state of the sta	from decreased photons given below:  c)A is false but	n <sup>2</sup> are classified as a sysical activity and d)Both A & B are	r
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct	tion (B): son with BMI betw Obesity can result tion of junk food. answer from the op	reen 18 to 25 kg/n from decreased ph tions given below:	d)Both A & B are true but B is the	r option
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are	otion (B): son with BMI between the open state of the sta	from decreased photons given below:  c)A is false but	d)Both A & B are true but B is the incorrect	r option
72	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false	tion (B): son with BMI between Obesity can result tion of junk food. answer from the operation by Both A & B are true	from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation	r option
72	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false	otion (B): son with BMI between the open state of the sta	from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation	r option
72	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false	tion (B): son with BMI between Obesity can result tion of junk food. answer from the operation by Both A & B are true	from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation	r option
72	Assertion (A): per obese.  Justification (B): excessive consump.  Choose the correct a)Both A & B are false  Which of the follow	obesity can result tion of junk food.  answer from the op b)Both A & B are true	from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation	r option  c  Answe r option
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution	tion (B): son with BMI between the control of junk food. answer from the operative b)Both A & B are true  b)alkali solution	reen 18 to 25 kg/n from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation eeling?	c C Answe r option
72	Assertion (A): per obese.  Justification (B): excessive consump.  Choose the correct a)Both A & B are false  Which of the follow	tion (B): son with BMI between the control of junk food. answer from the operative b)Both A & B are true  b)alkali solution	reen 18 to 25 kg/n from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation eeling?	r option  c  Answe r option
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution	tion (B): son with BMI between the control of junk food. answer from the operative b)Both A & B are true  b)alkali solution	reen 18 to 25 kg/n from decreased photions given below:  c)A is false but B is true	d)Both A & B are true but B is the incorrect explanation eeling?	r option  c  Answe r option  b  Answe
	Assertion (A): per obese.  Justification (B): excessive consump.  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution  The 2 <sup>nd</sup> and 5 <sup>th</sup> HA	obesity can result tion of junk food.  answer from the optoble b)Both A & B are true  b)alkali solution  CCP steps are	from decreased photions given below:  c)A is false but B is true  to perform Lye poor  c) brine solution  &, resp	d)Both A & B are true but B is the incorrect explanation eeling?	r option  c  Answe r option  b  Answe r
	Assertion (A): per obese.  Justification (B): excessive consump.  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution  The 2 <sup>nd</sup> and 5 <sup>th</sup> HAC	tion (B): son with BMI between the operation of junk food. answer from the operation b)Both A & B are true  b)alkali solution the operation of the company o	reen 18 to 25 kg/n from decreased photions given below: c)A is false but B is true  c) brine solution &, resp	d)Both A & B are true but B is the incorrect explanation eeling?  d) neither a nor b bectively.	r option  c  Answe r option  b  Answe r
	Assertion (A): per obese.  Justification (B): excessive consump  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution  The 2 <sup>nd</sup> and 5 <sup>th</sup> HA  a) Determine Critical Control	b) Set critical limits &	reen 18 to 25 kg/n from decreased ph tions given below: c)A is false but B is true  c) brine solution &, resp	d)Both A & B are true but B is the incorrect explanation eeling?  d) neither a nor b bectively.	r option  c  Answe r option  b  Answe r option
	Assertion (A): per obese.  Justification (B): excessive consump.  Choose the correct a)Both A & B are false  Which of the follow  a) Acid solution  The 2 <sup>nd</sup> and 5 <sup>th</sup> HAC	tion (B): son with BMI between the operation of junk food. answer from the operation b)Both A & B are true  b)alkali solution the operation of the company o	reen 18 to 25 kg/n from decreased photions given below: c)A is false but B is true  c) brine solution &, resp	d)Both A & B are true but B is the incorrect explanation eeling?  d) neither a nor b bectively.	r option  c  Answe r option  b  Answe r option

74	What technique does HACCP utilize to identify the Critical Control Points				
	(CCPs)?				r option
	a)Checklist	b)5-Why analysis	c) Elimination techniques	d) Decision tree	d
75	Which of the follow	ving statement is/a	are true?		Answe
	B. Scientific co standards set by FS C. FSSAI is a s	ommittees and Par SAI. single reference po	Safety and standard nels are responsible to oint for all matters re Ministry of Food Pro	for maintaining the elating to FSS.	r option
	a) A & B	b) B & C	c) C & D	d) A & D	ь
76	programmes to a	ssist in control	specifies requirementalling food safety onal food supply cha	risks within the	Answe r option
	a) ISO 14000	b) CODEX	c) FSMS	d) PAS 220	d
77	_	_	e and assistance reand the process of fo	-	Answe r option
	a) FAO	b) OIE	c) ISO	d) IAEA	d
78			organic foods, and Go of the Food Safety		Answe r option
	a) Section 20	b) Section 21	c) Section 22	d) Section 23	С
79	Match List-I with I	ist-II.			Answe r
	List-I		List-II		option
	A. ISO 22000		agement system		
	B. ISO 9000	I.Risk manage			
	C. ISO 14000 D. ISO 31000	-	management system t management		
	a) A-iv, B-iii, C-i, D-ii	b) A-iii, B-iv, C	c) A-iii, B-i, C-		c
80		ii, D-i ving test is used to	iv, D-ii o detect the adulterat	iv, D-iii ion of Vanaspati in	Answe r option
	a) Baudouin test	b) Peroxide test	c) Holde's test	d)Hehner test	a
81	In canning, the obje			ajiremer test	Answe r option (a, b, c or d)
	a) To expel the trapped air.	b) To discourage the growth of bacterial spores.	f above	d) Both a and b	d

82	In canning of veget	ables, brine concent	ration is tested wit	th	Answe	
					r option (a, b, c or d)	
	a) Balling hydrometer	b) Refractometer	c) Salometer	d) Baume hydrometer	С	
83	treat	ment is also termed	as Flash Pasteuriz	ation.	Answe r option (a, b, c or d)	
	a) LTLT	b) HTST	c) UHT	d) Pasteurization	c	
84	Pasteurization is the	e heat treatment des	igned primarily to	kill	Answe r option (a, b, c or d)	
	a) Vegetative forms of microorganisms	b) All form of microorganisms	c) Spore	d) None of above	a	
85	Choose the correct Statement 1: In the as a catalyst. Statement 2: Nicke	process of hydrog	enation of edible o	oils, nickel is added	Answe r option (a, b, c or d)	
	a) Statement 1 True, and statement 2 False	b) Both statements 1 and 2 are True	/	/	b	
86	Sulphiting agents li to control	ke SO <sub>2</sub> and salts re	leasing this gas are	e mainly employed	Answe r option (a, b, c or d)	
	a) Enzymatic and non-enzymatic browning	b) Growth of micro-organisms	c) Both a and b	d) None of above	c	
87	In lye peeling,% hot NaOH solution is used for 30s to few minutes or longer depending upon the raw material.					
	a)1-2%	b) >10%	c) 6-8%	d) 3-5%	or d) a	
88	Choose the correct Statement 1: Adult sold packed. Statement 2: Powd	eration takes place	more in loosely so		Answe r option (a, b, c or d)	

	a) Statement 1	b) Both	c) Both	d) Statement 1	b
	True, and	statements 1 and	statements 1	False, and	
	statement 2 False	2 are True	and 2 are False	statement 2 True	
89	Pickle is the examp	le of .			Answe
					r
					option
					(a, b, c or d)
	a) Acetic acid fermentation	b) Lactic acid fermentation	c) Alcoholic fermentation	d) None of above	b
90	Choose the correct				Answe
				ike x-rays, gamma	r
	rays, or electron bea			, , ,	option
	Statement 2: Food			ique.	(a, b, c
					or d)
	a) Statement 1	b) Both	/	/	С
	True, and statement 2 False	statements 1 and 2 are False	statements 1 and 2 are True	,	
	Statement 2 Paise	2 arc raisc	and 2 are True	statement 2 True	
91	Commercial radia	ntions used for	food preservation	on are produced	Answe
	from		•	•	r
					option
					(a, b, c
	a) Dadinus	1-) Calcale	a) I I	d) Distantant	or d)
	a) Radium	b) Cobalt	c) Uranium	d) Plutonium	D
92	Acetobactor aceti	converts	into acet	ic acids.	Answe
92	Acetobactor aceti	converts	into acet	ic acids.	r
92	Acetobactor aceti	converts	into acet	ic acids.	r option
92	Acetobactor aceti	converts	into acet	ic acids.	r option (a, b, c
92					r option (a, b, c or d)
92	Acetobactor aceti	b) Methyl alcohol	into acet	d) Ethyl alcohol	r option (a, b, c
92		b) Methyl	c) Glucose		r option (a, b, c or d)
		b) Methyl alcohol	c) Glucose		r option (a, b, c or d) d
		b) Methyl alcohol	c) Glucose		r option (a, b, c or d) d  Answe r option
		b) Methyl alcohol	c) Glucose		r option (a, b, c or d) d  Answe r option (a, b, c
	a) Starch	b) Methyl alcohol is the quickest fre	c) Glucose ezing method.	d) Ethyl alcohol	r option (a, b, c or d) d Answe r option (a, b, c or d)
	a) Starch  a) Cryogenic	b) Methyl alcohol	c) Glucose ezing method.	d) Ethyl alcohol  d) Immersion	r option (a, b, c or d) d  Answe r option (a, b, c
	a) Starch	b) Methyl alcohol is the quickest fre	c) Glucose ezing method.	d) Ethyl alcohol	r option (a, b, c or d) d Answe r option (a, b, c or d)
	a) Starch  a) Cryogenic freezing  Choose the correct	b) Methyl alcohol is the quickest free b) Slush freezing option for the follow	c) Glucose ezing method. c) Blast freezing wing statements	d) Ethyl alcohol  d) Immersion freezing	r option (a, b, c or d) d Answe r option (a, b, c or d)
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric	c) Glucose ezing method.  c) Blast freezing ving statements storage is a metho	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits	r option (a, b, c or d)  Answe r option (a, b, c or d)  a  Answe r
93	a) Starch  a) Cryogenic freezing  Choose the correct <b>Statement 1</b> : Contand vegetables in a	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric	c) Glucose ezing method.  c) Blast freezing ving statements storage is a metho	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits	r option (a, b, c or d)  Answe r option (a, b, c or d)  a  Answe r option
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont and vegetables in a carbon dioxide.	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric airtight containers was a second containers which is a second container was a second container	c) Glucose ezing method.  c) Blast freezing wing statements storage is a methor with controlled lev	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits rels of oxygen and	r option (a, b, c or d) d Answe r option (a, b, c or d) a Answe r option (a, b, c or d)
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont and vegetables in a carbon dioxide.	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric	c) Glucose ezing method.  c) Blast freezing wing statements storage is a methor with controlled lev	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits rels of oxygen and	r option (a, b, c or d)  Answe r option (a, b, c or d)  a  Answe r option
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont and vegetables in a carbon dioxide.	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric airtight containers was a second containers which is a second container was a second container	c) Glucose ezing method.  c) Blast freezing wing statements storage is a methor with controlled lev	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits rels of oxygen and	r option (a, b, c or d) d Answe r option (a, b, c or d) a Answe r option (a, b, c or d)
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont and vegetables in a carbon dioxide.  Statement 2: Control a) Statement 1  True, and	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the followed atmospheric airtight containers where the containers	c) Glucose ezing method.  c) Blast freezing wing statements storage is a methovith controlled level storage speed up the c) Both statements 1	d) Ethyl alcohol  d) Immersion freezing  od of storing fruits rels of oxygen and the ripening process.	r option (a, b, c or d) d  Answe r option (a, b, c or d) a  Answe r option (a, b, c or d) cor d)
93	a) Starch  a) Cryogenic freezing  Choose the correct Statement 1: Cont and vegetables in a carbon dioxide.  Statement 2: Control a) Statement 1	b) Methyl alcohol _is the quickest fre  b) Slush freezing  option for the follow rolled Atmospheric airtight containers where the conta	c) Glucose ezing method.  c) Blast freezing wing statements storage is a methowith controlled levelstorage speed up the	d) Immersion freezing  od of storing fruits rels of oxygen and re ripening process.  d) Statement 1	r option (a, b, c or d) d  Answe r option (a, b, c or d) a  Answe r option (a, b, c or d) cor d)

95	is the example of biological preservative.					
					r	
					option (a, b, c	
					or d)	
	a) Niacin	b) Nisin	c) Sodium	d) Ascorbic acid	b	
	.,		benzoate	.,	_	
96		is the food preser	vation method in	which nutritional	Answe	
	quality is less harm	ed.			r	
					option	
					(a, b, c or d)	
	a) Canning	b) Dehydration	c) Freezing	d) Sun drying	c	
97	Choose the correct	 option for the follov	ving statements		Answe	
<i>)</i>		lue is the time requ	_	icrobial population	r	
	by 90%	1		1 1	option	
		lues are important	in food processing	for calculating F-	(a, b, c	
	values.	[		1) 6	or d)	
	a) Statement 1 True, and	b) Both statements 1 and	c) Both statements 1	d) Statement 1 False, and	b	
	True, and statement 2 False	2 are True	and 2 are False	False, and statement 2 True		
	Statement 2 Taise	2 410 1140	and 2 are 1 are	Statement 2 True		
98	The target microorg	ganism in canning is		·	Answe	
					r	
					option	
					(a, b, c or d)	
	a) Clostridium	b) Streptococcus	c) Lactobacillus	d) Lactobacillus	a	
	botulinum	thermophillus	bulgaricus	acidophilus		
99	Spoilage in food be	cause of microbial a	activity can be prev	vented/delayed by:	Answe	
					r	
					option	
					(a, b, c	
	a) Physical	b) Prohibiting	c) Hindering the	d) All of above		
	removal of micro-	the entry of	activity of	d) All of above	(a, b, c or d)	
		-	activity of micro-	d) All of above	(a, b, c or d)	
10	removal of micro-	the entry of micro-organisms in food	activity of	d) All of above	(a, b, c or d)	
10 0	removal of micro- organisms	the entry of micro-organisms in food	activity of micro-	d) All of above	(a, b, c or d) d	
	removal of micro- organisms	the entry of micro-organisms in food	activity of micro-	d) All of above	(a, b, c or d) d Answe r option	
	removal of micro- organisms	the entry of micro-organisms in food	activity of micro-	d) All of above	(a, b, c or d) d Answe r option (a, b, c	
	removal of micro- organisms	the entry of micro-organisms in food	activity of micro-	d) All of above  d) None of above	(a, b, c or d) d Answe r option	
0	removal of microorganisms  The father of canning	the entry of micro-organisms in food ng is	activity of micro-organisms  c) Nicolas Appert	d) None of above	(a, b, c or d) d Answe r option (a, b, c or d) c	
10	removal of microorganisms  The father of canning  a) Louis Pasteur	the entry of micro-organisms in food ng is	activity of micro-organisms  c) Nicolas Appert	d) None of above	(a, b, c or d)  d  Answe r option (a, b, c or d) c  Answe	
0	removal of microorganisms  The father of canning	the entry of micro-organisms in food ng is	activity of micro-organisms  c) Nicolas Appert	d) None of above	Answe r option (a, b, c or d) c Answe r	
10	removal of microorganisms  The father of canning  a) Louis Pasteur	the entry of micro-organisms in food ng is	activity of micro-organisms  c) Nicolas Appert	d) None of above	(a, b, c or d)  d  Answe r option (a, b, c or d) c  Answe	

	a) X-rays	b) Gamma	c) Beta	d) Alpha	b
10		inegar must contain	/	% acetic acid.	Answe
2		$\mathcal{E}$			r
					option
					(a, b, c
					or d)
	a) 2	b) 3	c) 4	d) greater than 10	c
10	/	option for the follow	/	1 ") & " " " "	Answe
3		idity is mainly conc			r
				fatty acids present	option
	in oils.	inity is consecution to		racej acras present	(a, b, c
					or d)
	a) Statement 1	b) Both	a) Statement 1	b) Both	b
	True, and	statements 1 and	False, and	/	Ü
	statement 2 False	2 are True	statement 2	2 are False	
		2 010 1100	True	2 dro r disc	
			1100		
10	is	natural anti-oxidan	t commonly used to	o prevent oxidation	Answe
4	in fats and oils.			- r · omamon	r
					option
					(a, b, c
					or d)
	a) α -tocopherol	b) BHT	c) Propyl gallate	d) BHA	a
	, 1	,	7 17 8	,	
10	The boiling point o	f liquid Nitrogen is		I	Answe
5	81	1 8 _			r
					option
					(a, b, c
					or d)
	a) 79 °C	b) 68 °C	c) 46 °C	d) -196 °C	d
	,		,	,	
10	Combination of wh	ich of the following	is known as glute	n?	Answe
6					r
					option
					(a, b, c
					or d)
	a) Glutenin +	b) Gliadin +	c) Lysine +	d) Gliadin +	b
	Glutenin	Glutenin	Glutenin	Lysine	
10	Triticum durum is k	known as	·		Answe
7					r
					option
					(a, b, c
		T	<b>I</b>	ı	or d)
	a) Bread wheat	b) Macaroni	c) Club Wheat	d) None of these	b
		wheat			
10		Match List I with	h List II		Answe
8	List I	List II			r
	A. Brown	rice 1. Ri	ce heated in sand		option
	B. Saki	2. Ra	ncidity		(a, b, c
	C. Parche		ce with bran		or d)
			OIWII		
	<u> </u>	1			

	D. Rice bran oil 4. Japanese drink prepared from rice	
	a) A-2, B-1,C-4, b) A-3, B-4,C-1, c) A-4, B-2,C-3, d) A-3, B-4,C-2, D-3 D-1	b
10 9	What is pitting in pulse milling process?	Answe r option (a, b, c or d)
	a) Impart scratches and cracks on hard seed coat of pulses.  b) Removing pits c) Removal of d) Removal of fine particles by chelating agents air bubbles	a
11 0	Which of the following component is reduced when pulses are soaked?	Answe r option (a, b, c or d)
	a) Nitrous oxide b) Potassium c) Nitric acid d) ) Phytic acid oxide	d
11	Which of the following is NOT a step in Modern Milling of Wheat?	Answe r option (a, b, c or d)
	a) Stone Grinding b) Wheat milling c) Wheat d) Cleaning Conditioning	a
11 2	Are these statements about the rice milling true?  Statement 1: Sifting is a process to remove impurities from milled rice.  Statement 2: Pre-cleaning is removing of impurities from paddy.	Answe r option (a, b, c or d)
	a) Statement 1 b) Both True, and statements 1 and statement 2 False 2 are True Control Both Statement 1 Statement 2 False 2 are True Control Both Statement 1 False, and and 2 are False Statement 2 True	b
11 3	Which of the following is not the rice milling equipment?	Answe r option (a, b, c or d)
	a) Huller mills b) Disc separator c) Sheller-d) Sheller-Cone Huller mills Polisher mills	b
11 4	Which of the following is untrue about Solvent extraction of Oil?	Answe r option (a, b, c or d)
	a) The most b) This is c) This process d) None of the common solvent suitable for is mentioned	d

	used is Hexane	materials containing percentage of	low of oil			
11 5	Are these statements about the oil refining true?  Statement 1: Degumming removes colouring agents from vegetable oil.  Statement 2: Neutralization removes free fatty acids from crude oils using caustic soda or lime.					
	a) Statement 1 True, and statement 2 False	b) statements 1 2 are True	Both and	c) Both statements 1 and 2 are False	d) Statement 1 False, and statement 2 True	or d)
11 6	A Gerber method is B Lactometer readir C Milk is less nutrin D Phosphatase test	ng is used me	asurin ole bo	g density dy carcass	eurization	Answe r option (a,b,c or d)
11	a) False, True, True, True	b) False, F True, True	False,	c) False, False, False, True	d) True, True, True, True	a
7	A Full cream milk B Standardized milk C Skim milk D Toned Milk			I Fat 6% II Fat 4.5% III Fat <0.5% IV Fat 3%		
11 8	a)A-I, B-II, C-III, D-IV The target organism	III, D-IV		c) A-IV, B-I, C- III, D-I cation of milk is	d) A-IV, B-II, C- III, D-I	a 
	a) Mycobacterium tuberculosis	b) Salmo thyphimuriu		c) Escherichia coli	d) Bacillus stearothermophil us	a
11 9	Matching the follow	ving pairs:				
	MBRT-time (hr) A 5 and above B 3 and 4 C 1 and 2		Milk Quality I Poor II Good III Fair			
12	a) A-IV, B-II, C-III, D-I The radius of fat glo	II, D-IV	I, C-	c) A-IV, B-III, C-II, D-I lk range from	d) A-II, B-I, C-IV, D-III	a
0		•		μm	d) ~3 to ~20 μm	c
12	Adequacy of paster  a) Negative		ative	c) Negative	d)Negative	c
	lactase test	catalase test		phosphatase test	diastase test	

12 2	Major microbes res	ponsible for yogurt	are		
	a)Lactobacillus bulgaricus & Proionibacterium	b) Lactobacillus Lactis & Streptococcus sterothermophill us	/	d) Lactobacillus bulgaricus & Streptococcus thermophillus	d
12 3	Opacity in milk is o	lue to			
	a)Minerals	b)Whey	c)Suspended fat particles	d) Lactose	c
12 4	B Methylene blue i C In Resazurin test	zurin test are used in s colorless while led the time frame for of test color represent	acomethylene blue color change is fixed	is colored ed.	
	a)True, False,	b) True, True,	c) True, False,	d) True, True,	a
	True, True	True, True	False, False	False, False	
12 5	Sodium nitrite appl	ication in meat proc	essing is responsib	ole for	
	a) Lowering temperature to kill Clostridium botulinum	b) Fixing of meat color	c) Development of characteristic flavor, texture of bacon, ham and sausage products	d)All of them	d
12 6	Fishes can be categ	orized into			
	a) Low acid food	b) High acid food	c) Medium Acid food	d) Acid food	a
12 7	Blanching medium	for fish/shrimps is			
	a) Brine	b) Oil	c) Water	d) Acidified water	a
12 8	Which of the follo powder?	owing enzymes is	used in preventing	g browning of egg	
	a) Lactase	b) Papain	c) Glucose oxidase	d) Peroxidase	С
12 9	State true or false: A Key flavor component of clove is crocin. B Pepper flavor is due to piperine C Key constituent of saffron is eugenol D Chilli pungency is due to capsaicinoids				
	a) False, False, False, True		c) False, True, False, True	d) False, True, False, False	c
13 0	State true or false: A Lactobacillus bacter B Moraxella bacter C Recommended chloramphenicol	eteria is found in proince can be found in reantibiotics in reages is caused by Lo	ocessed/cured mea efrigerated meat. meat preservation	t are Nisin and	

	a) False, False,	b) True, True, True, True	· ·	· ·	b
13	False, False With ageing the air	pocket in the egg sl	False, True	False, False	
1	l with ageing the uni	h			
	a) Smaller	b) Larger	c) Air pocket is not present in egg		ь
13 2	Which of the follow	ving cause stiffness	in body of poultry	birds	
	a) Algor mortis	b) Liver mortis	c) Rigor mortis	d) Algor mortis, Liver mortis and Rigor mortis	c
13 3	In which of the fo constant gas flow?	llowing fermenters	the impellers car	be replaced by a	
	a) Tower fermenter	b) Hollow fibre	c) Airlift fermenter	d) Perfusion fermenter	c
13 4	Which of the follow	ving fermentation of	ccur in absence of	free liquid?	
12	a) Batch fermentation	fermentation	c) Solid state fermentation	fermentation	С
13 5	The preservation called	of microbial cult	tures by using i	iiquid nitrogen is	
	a) Lyophilization	b) Freeze-drying	c) Desiccation	d) Cryopreservation	d
13 6	Which of the follo	owing statement is	NOT true for a	continuous culture	
	a) An extended exponential growth phase	b) Efficient and faster nutrients utilization		d)Lower risk of contamination than batch fermentation	d
13 7	Vinegar production	involves			
	a) Yeasts and butyric acid bacteria	b) Yeasts and Lactic acid Bacteria	c) Lactic acid bacteria and Acetic acid bacteria	acetic acid	d
13 8	Botulinum toxin is				
	a) Endotoxin	b) Cytotoxin	c) Neurotoxin	d) Mycotoxin	c
13 9	Which of the follow	ving compounds giv	e a very strong fla	vor	
	a) Organosulphur compounds	, ,	c)Xanthophyll	d)Isoflavones	a
14 0		ving are responsible			
	a) Monosodium glutamate	b) 5'-nucleotides	c) Tricholomic and ibotenic acid	d) All of them	d
14 1	Match the following	g pairs:			
	A HPLC	I Sep	oaration based on r	elative volatility	

	B GC		II Se	paration based on	polarity	
	C FTIR		III B	ackscattered electr	rons	
	D SEM		IV N	Iolecular Vibration	l	
	a) A-II, B-I, C-IV,	b) A-I, B-I	I, C-	c) A-II, B-I, C-	d) A-III, B-I, C-	a
	D-III	IV, D-III		III, D-IV	III D-IV	
14	State true or false:					
2	A In ATR-FTIR the					
	B Phosphorescence		_			
	C SEM produces a				image	
	D Photomultiplier t					
	a) True, False,	b) False, F	alse,		d) False, True,	d
1.4	True, False	False, True	. 1.0	True, False	True, False	
14	Thermo-stable amy	lases are obta	ined f	rom		
3	D :11	1 \		.11	1)	
	a) Bacillus	b)		c) Aspergillus	d)	a
	stearothermophilu	Saccharomy 	ces	niger	Saccharomyces	
1.4	State True on Felen	cerivisae			kluyveri	
14 4	State Ture or False:					
4	A Wine and beer are	e products of	hacter	ial fermentation		
	B Tea is a product of	-				
	C Bread is a product	_				
	D Acetic acid produ				terial fermentation	
	a) False,			c) True, True,		
	False, True, True	False, True	1140,	False, False	True, True	
14	State True or False:	•		1 4120, 1 4120	1100, 1100	
5						
	A Smoking meat	causes flavor	chan	ges, textural char	nges and shelf-life	:
	enhancement.			<b>U</b> ,	C	
	B Bacon is from po	rk bellies				
	C Brisket is the mos	st expensive p	oart of	meat cuts		
	D Actin is the most	abundant pro	tein ir	meat myofibril		
	a) True, True,	b) False, T	rue,	c) True, True,	d) True, False,	a
	False, False	False, Fal		False, True	True, True	
14	If a culture starts v			many cells will be	present after four	
6	generation consider		ath?	T .		
	a) 200	b) 600		c) 800	d) $6.25 \times 10^6$	c
14	Match the pairs			<u> </u>		
7	Match the pairs: A Koumiss	i Apidi	tv. 0.7	/-1.8%, 1-2.5% Al	cohol CO2 0.02	
'	A Koulliss	0.07%	ty 0.7	-1.6/0, 1-2.3/0 AI	(COIIOI, CO <sub>2</sub> 0.03-	
	B Kefir		v 0 7.	1%, 0.5% Alcohol,	CO <sub>2</sub> 0 05-0 00%	
	C Acidophilus mil				CO2 0.03-0.09/0	
	D Sweet Dahi	iv Acidi				
	a) A-i, B-ii, C-iii,	b) A-ii, B-i,			d) A-iii, B-i, C-iv,	a
	D-iv	D-iv	C 111,	iv, D-iii	D-ii	a
14	Select the correct m		:	1 - ', ~ '''	ı <del></del>	
8			-			
	A Blue cheese		i Pro	pionibacterium fer	rundenreichii	
	B Gouda cheese			nicillum camember		
	C Camembert		<b>-</b>	euconostoc meseni		
	D Swiss cheese		1	enicillium roquefor		
	1-1			1 0		

	a) A-iv, B-ii, C-ii, D- i	b) A-ii, B-ii ii, D- iv	-		C-	d) A-iv, B-iii, ii, D- i	C-	d
14 9	Match the following							
	AUHT			C, 30 min				
	B Batch C HTST			5-150 °C, 2-6 s 2°C, 15 s	S			
	D Sterilization			05 °C-110°C, 30	0-45	min		
	a) A-iii, B-i, C-ii, D-iv	b) A-ii, B-i, O	C-iii,	,	C-	,	C-	b
15	Choose the correct			iii, D-ii		iii, D-i		
$\begin{vmatrix} 13 \\ 0 \end{vmatrix}$	A (Assertion): Ferm	-	e proc	ess of decomp	ositi	on of sugars to a	cid	
	or alcohol by micro		Proc	oss of docomp	OBIU	on or sugars to a	.010	
	B (Reason): Cheese		nvolve	es bacterial fer	men	tation of milk		
	a) Both Assertion and Reason are correct	b) Assertion Reason correct, reason is no correct explanation assertion	but	correct reason		/	is but ect	b