ENTRANCE EXAMINATION FOR ADMISSION, MAY 2013.

Ph.D. (FOOD SCIENCE AND NUTRITION)

COURSE CODE: 152

Register Number:		·
		Signature of the Invigilator (with date)
·		

COURSE CODE: 152

Time: 2 Hours

Max: 400 Marks

Instructions to Candidates:

- 1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
- 2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
- 3. Read each of the question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.
- 4. Avoid blind guessing. A wrong answer will fetch you -1 mark and the correct answer will fetch 4 marks.
- 5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
- 6. Do not open the question paper until the start signal is given.
- 7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
- 8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
- 9. Use of Calculators, Tables, etc. are prohibited.

1.	A tri	glyceride consists of		
	(A)	Three glycerols attached to a lipid		
	(B)	Three fatty acids attached to a glucos	e	
	(C)	Three fatty acids attached to a glycer	ol	
	(D)	Three phospholipids attached to a che	oleste	rol
2.	The	common intermediate of carbohydrate	, prot	ein and lipid metabolism is
	(A)	Ammonia	(B)	Pyruvic acid
	(C)	Acetyl Co A	(D)	Phosphoglyceraldehyde
3.	Met	abolism of triglyceride utilizes		
,	(A)	Glycolysis	(B)	Beta-oxidation
	(C)	The Krebs cycle	(D)	All of the above
4.	The	difference between cis- and trans-fatty	acid	s is
	(A)	The number of double bonds		
	(B)	The length of their carbon chains		
	(C)	The location of the first double bond		
	(D)	The configuration around the double	bond	
5.	The	primary energy source of resting skele	etal m	uscles is/are
	(A)	Lactic acid	(B)	Ketone bodies
	(C)	Glucose	(D)	Fatty acids
6.	Wh	ich of the following is not true? Lecithi	n is	
	(A)	An emulsifier		·
	(B)	A phospholipid		
	(C)	An essential nutrient		
	(D)	A constituent of cell membranes		
7.	A la	ack of blood glucose would have the gre	atest	effect on
	(A)	The brain	(B)	The heart
	(C)	The liver	(D)	Skeletal muscles

8.	Amino acid metabolism involves all of the following except								
	(A)	Oxidative deamination	(B)	Transamination					
٠	(C)	The Krebs cycle	(D)	Beta oxidation					
9	The	essential fatty acids include							
	(A)	Stearic acid and oleic acid		•					
	(B)	Oleic acid and linoleic acid							
	(C)	Palmitic acid and linolenic acid							
	(D)	Linoleic acid and linolenic acid	٠	•					
10.	The product of beta oxidation is metabolized by the actions of								
	(A)	Glycolysis	(B)	The Krebs Cycle					
	(C)	Gluconeogenesis	(D)	The Cori Cycle					
11.	Glyd	eogen stored in which of the following	tissue	s can be used to produce free glucose?					
	(A)	Liver	(B)	Heart					
	(C)	Skeletal muscle	(D)	All of the above					
12.	Trai	asport vehicles for lipids are called							
	(A)	Micelles	(B)	Lipoproteins					
	(C)	Blood vessel	(D)	Monoglycerides					
13.	Which of the following is not true of the Krebs cycle?								
	(A)	Three molecules of NADH are produ	uced pe	er molecule of glucose					
	(B)	Two molecules of FADH2 are produ	ced per	r molecule of glucose					
	(C)	Addition of acetyl coa to oxaloacetic	acid st	tarts the cycle					
	(D)) GTP is produced and converted to ATP							
14.	The	The lipoprotein most associated with a high risk of heart disease is							
	(A)	CHD	(B)	HDL					
	(C)	LDL	(D)	VLDL					
15.	Lact	cic acid							
	(A)	Is produced as a result of aerobic m	etaboli	sm of glucose					
	(B)	Is one of the normal end products of							
	(C)	Is a common end product of red bloc							
	(D)								

16.	Wha	at is the meaning of the statement "a r	reduce	ed fat peanut butter				
	Rep	Represents an O/W emulsion, in which one phase is the continuous phase,						
	And the other is the dispersed phase"?							
	(A)	In reduced fat peanut butter, water	is the	dispersed phase				
	(B)	After grinding peanuts, a stable em						
	(C)	There is only one phase in reduced f						
	(D)	In reduced fat peanut butter, water	-					
17.	Glyd	colysis						
	(A)	Requires the presence of oxygen						
	(B)	Is the first step of cellular respiration	n.					
	(C)	Utilizes FAD as an electron acceptor						
	(D)	None of the above						
18.	Consider the fact that linoleic acid is C18:2, while stearic acid is C18:0. All Else equal, which fatty acid should have the higher melting point?							
	(A)	Linoleic, because it is unsaturated						
	(B)	Stearic, because it has more carbon						
	(C)	Stearic, because it is unsaturated						
	(D)	Stearic, because it is saturated						
19.	Afla	toxin is produced by						
•	(A)	Aspergillus sp.	(B)	Salmonella sp.				
	(C)	Fusarium sp.	(D)	Streptococcal sp				
20.	Whi	ch statement about metabolic reaction	ıs is F	'ALSE?				
	(A) Breakdown of fats into fatty acids and glycerol is an example of an catabolic reaction							
	(B).	Peptide synthesis from amino acids	repres	sents an anabolic reaction				
	(C)	(C) Conversion of maltose into glucose is an example of an catabolic reaction						
•	(D)	Anabolic reactions are important du	ring d	igestion and absorption of food				
21.	The	major carrier of salmonellosis are						
	(A)	Meat and eggs	(B)	Meat and fish				
	(C)	Eggs and fish	(D)	Eggs and fruits				

- 22. Consider the following food colloidal systems. Which one shows the Incorrect dispersed/continuous phase?
 - (A) Foam G/L

(B) Emulsion L/S

(C) Gel L/S

(D) Sol S/L

- 23. Salmonellosis involves
 - (A) An enterotoxin and exotoxin
 - (B) An enterotoxin and cytotoxin
 - (C) An exotoxin and cytotoxin
 - (D) A cytotoxin only
- 24. Which choice correctly matches food proteins with the correct food source?
 - (A) Actin/red meat; avidin/egg white; casein/milk; collagen/red meat; lactoferrin/milk; lipoxygenase/soybean
 - (B) Avidin/red meat; lipoxygenase/egg white; whey/milk; collagen/red meat; lactoferrin/milk; casein/soybean
 - (C) Myosin/red meat; whey/egg white; casein/milk; collagen/red meat; avidin/milk; lipoxygenase/soybean
 - (D) Choices (A) and (C)
- 25. Which of the following statements are true regarding Staphylococcus food Poisoning
 - (A) Is an enterotoxin
 - (B) Causes gastroenteritis
 - (C) Is produced by Staphylococcus aureus
 - (D) All of these
- 26. Which statement is true?
 - (A) The physical state of water depends on the motion of oxygen molecules
 - (B) Water molecules in steam are more closely aligned than in ice
 - (C) The physical state of water depends on the motion of H2O molecules
 - (D) Water molecules in liquid water are more closely aligned than in ice
- 27. Clostridium perfingens toxin is an
 - (A) Exotoxin produced during vegetative growth
 - (B) Enterotoxin produced during sporulation
 - (C) Endotoxin produced during vegetative growth
 - (D) Enterotoxin produced during vegetative phase

28.		are working to develop a new soy infant formula. The 2 key amino acids uired to be present in adequate amounts for infants are cysteine (cys)
	_	methionine (met). Analysis of your formulation shows 3.98 mg of cys +
		per gram of protein present in your product. What should you Conclude?
	(A)	Your formulation provides an adequate amount of these two nutrients
	(B)	Your formulation does NOT provide an adequate amount of these two nutrients
	(C)	There is insufficient data provided to answer this question
	(D)	These nutrients are not essential in the infant formula
29.	Clos	tridium perfingens poisoning is mostly associated with the consumption of
20.	(A)	Meat products (B) Vegetables
	(C)	Canned foods (D) Fish products
	(0)	(b) This products
30.	Two	sugars differing only in configuration around one specific carbon atom are called
•	(A)	Anomer
	(B)	Epimer
	(C)	Isomers
	(D)	Conformers
	n .	
31.		alism prevention involves
	(A)	Proper heat sterilization before food canning
	(B)	Addition of chemical preservatives
	(C)	Proper low temperature treatment before food canning
	(D)	All of the above
32.	Che	ese
	(A)	Is formed from milk proteins that bond to each other when ph is lowered to ph 4.6
	(B)	Is made when milk proteins reach their isoelectric ph of ph 10
	(C)	Is a poor source of calcium and phosphorus compared to sour cream
	(D)	Is formed from acidified milk because the proteins repel each other at ph 4.6
-33.	Whi	ch of the following statements are true regarding botulinal toxin
	(A)	Is a neurotoxin
	(B)	Water soluble exotoxin
	(C)	Is produced by Clostridium botulinum, a gram positive anaerobic bacteria
•	(D)	All of these

34.		, the presence of two	·	creates a at the				
		rface between them	٠					
	(A)	Banana; layers; seam						
	(B)	Gel; proteins, bond						
	(C)	Food matrix; carbon atoms; bond						
	(D)	Emulsion; phases; surface tension						
35.	Boti	ılism is caused by						
	(A)	Clostridium botulinum	(B)	All Clostridium species				
	(C)	Clostridium tetanai only	(D)	Clostridium subtilis only				
36.	Whi	ch is the FALSE statement?						
	(A)	In crystalline confectionery, the go crystals	al is	to promote the formation of sugar				
	(B)	A crystal forms when a group of sugar molecules collect around a nucleus						
	(C)	A nucleus is a limited aggregation of sugar molecules in a syrup solution						
,	(D)	In the manufacture of gummy candie	s, it i	s desirable to generate many crystals				
37.	Common food poisoning microbes are							
	(A)	Clostridium and Salmonella	(B)	Clostridium and E.coli				
	(C)	E.coli and Salmonella	(D)	Clostridium and Streptococcus				
38.	This food scientist/technologist work area involves sampling raw products To ensure comformity to purchasing specifications							
	(A)	Product development	(B)	Experimentation				
	(C)	Quality control	(D)	Marketing				
39.	Which of the following statements are true about chemical preservatives							
	(A)	Microbicidal or microstatic agents		•				
	(B)	Chemical preservatives often hazardo	ous to	humans				
	(C)	Sodium benzoate is a widely used pre	eserva	ative				
	(D)	All of these	-					
40.	The	average percentage of iron absorbed is	high	er for beef than for spinach,				
	Whi	ch is an illustration of						
	(A)	Biological value	(B)	Brix				
	(C)	Bionutrient value	(D)	Bioavailabilty				

41.	Nor	mally bacteria stop division				,		
	(A)	At 10 degree celcius		(B)	At 5 degree celcius			
,	(C)	At 0 degree celcius		(D)	At 20 degree celcius			
42.	Whi	ch statement regarding free radio	als is	true'	?			
	(A)	Free radicals injure cells, dar disease	nagin	g the	e DNA, which creates	; the	basis	for
	(B)	Normal cell functions can produ	ce a s	mall	percentage of free radi	cals	. •	
	(C)	Free radicals cannot affect fat n	rolecu	les ir	n foods			
	(D)	Both (A) (B) and (C)						8
					•		,	
43.		teurization is a						
	(A)	Low temperature treatment						
•	(B)	Steaming treatment			• .	•		
	(C)	High temperature treatment				٠		
	(D)	Low and high temperature trea	tment			•		
44.	Whi	ich of the following statement is F	alse?			:	•	
	(A)	Nitrogen equilibrium is when N	in =]	N out	;	•		
	(B)	Zero nitrogen balance is the san	ne as i	nitro	gen equilibrium			
	(C)	Positive nitrogen balance is whe	n N i	n > N	l out	. •		
	(D)	Positive nitrogen balance is who	en N i	n < N	l out		·	
	-				. •			
45 .		d preservation involves						
	(A)	Increasing shelf life of food						
	(B)	Ensuring safety for human cons	umpt	ion			-	
	·(C)	Both (A) and (B)						,
	(D)	None of these						
46.	Whi	ich is NOT an alternative sweeter	ner?			. "		
	(A)	Sugar alcohol		(B)	Maltodextrin			
	(C)	Acesulfame - K		(D)	Sucralose	, ,		
47.		undesirable change in a food thered as	nat m	akes	it unsafe for human	Consi	ımptio	n is
	(A)	Food decay	÷	(B)	Food spoilage			
	(C)	Food loss		(D)	All of the above		•	
159			Q				٠	

40.	(the solvent), while oil is the phase (the solute). In a(n) is the solvent,						
	While is the solute.						
	(A) W/O, continuous, dispersed; O/W, oil, water						
1	(B) O/W, dispersed, continuous; W/O, oil, water						
	(C) O/W, continuous, dispersed; W/O, water, oil						
	(D) O/W, continuous, dispersed; W/O, oil, water						
49.	Which of the following is NOT an intrinsic factor in food spoilage?						
	(A) pH (B) Moisture content						
•	(C) Available nutrients (D) Temperature						
50.	Which type of muscle fibers contain more mitochondria, rely on aerobic Metabolism, produce ATP energy more slowly, and are associated with Endurance athletics?						
	(A) Slow twitch (B) Fast twitch						
	(C) Type 1 (D) Both (A) and (B)						
51.	All the following processes occur rapidly in the membrane lipid bilayer except						
•	(A) Flexing of fatty acyl chains						
	(B) Lateral diffusion of phospholipids						
	(C) Transbilayer diffusion of phospholipids						
	(D) Rotation of phospholipids around their long axes						
52.	Suppose you measure the obrix/acid ratio of the same type of fruit from two Suppliers (different parts of the country) and find supplier $A=7$ and Supplier $B=11$. What might you conclude regarding the flavor of the juice Manufactured from A vs. B?						
	(A) Product B would be from Nagpur						
	(B) They would have identical flavor						
	(C) B is probably sweeter						
•	(D) B has a higher acid content						

53.		ch of the following phospholipids is localized to a greater extent in the Leaflet of membrane lipid bilayer?
	(A)	Choline phosphoglycerides
	(B)	Ethanolamine phosphoglycerides
	(C)	Inositol phosphoglycerides
	(D)	Serine phosphoglycerides
•		
54.		ch does not belong with the others?
	(A)	Comminuted meat emulsion
	(B)	Myofibrillar proteins stabilize fat droplets
	(C)·	Proteins contribute to the formation of a viscous gel matrix
	(D)	Viscous gel matrix stabilizes the emulsion by promoting fat globule movement
55.		ch are the cholesterol esters that enter cells through the receptor- Mediated ocytosis of lipoproteins hydrolyzed?
	(A)	Endoplasmin reticulum (B) Lysosomes
٠	(C)	Plasma membrane receptor (D) Mitochondria
56.	by t	educed — milk the enzyme — is added to react with the sugar naturally present in milk. The — would be broken down he — enzyme treatment to yield — and — which sweeter than the — lactose Lactose, lactase, lactose, lactose, lactase, glucose, galactose, monosaccharide Lactose, lactase, lactose, lactose, lactase, glucose, galactose, disaccharide Lactase, lactase, lactose, lactose, lactase, glucose, fructose, disaccharide Lactose, lactase, lactose, lactose, lactase, glucose, fructose, disaccharide Lactose, lactase, lactose, lactose, lactase, glucose, fructose, disaccharide
57.	HDI	is synthesized and secreted from
	(A)	Pancreas (B) Liver
	(C)	Kidney (D) Muscle
58.	Carl	pon-to-carbon bonds in food molecules (carbohydrates, proteins, fats) are
	(A)	Covalent bonds (B) Intermolecular bonds
	(C)	Ionic bonds (D) Hydrogen bonds

υσ.	Syn	mesis of prostagrandinsis is i	illibited by		÷			
	(A)	Aspirin	(B) Arsen	iic		•	•
	(C)	Fluoride	(D) Cyani	ide			
60.	prot	erving of dosa has the followi ein, 10 grams of water, and ries (kcals) does it provide?			_			_
	(A)	125	(B) 160			•	
	(C)	250	Œ	200		, -	-	
61.	Mill	s is deficient of which minera	1?	1	•			
	(A)	Phosphorus	(B) Sodiu	 . m			
	(C)	Iron	(D) Potas	sium			
62.	Whi	ch statement regarding confe	ctionery and	chocolat	e is true?	ı		
	(A)	They contain no protein						
	(B)	They contain identical amou	ints of key n	utrients				
	(C)	Hey provide zero kcals						
	(D)	100g of cocoa powder contai	ns protein, ca	alcium, p	otassium	, and j	phosph	orus
63.	Mill	s is deficient in which vitamin	ns?		•		·	
	(A)	Vitamin C	(B) Vitan	in A			-
	(C)	Vitamin B2	(D) Vitan	in K			
64.	Oxio Gluo	lation of which substan	ice in the	body	yields	the	most	calories
٠	(Á)	Glycogen	•				,	
	(B)	Protein						
4	(C)	Lipids						
	(D)	None			•	•	•	
65.	How	is margarine different from	butter?	•				
	(A)	Margarine potentially has a	higher unsa	turated f	at conter	it		-
	(B)	A collagen molecule is comp	osed of 3 ami	ino acids	in total			
	(C)	It is an important myofibril	lar protein			2.00		
	(D)	Its physical structure and a	hility to form	crosslin	ke contril	hiite to	tough	nage

66.	Which of the following is required for crystallization and storage of the Hormon insulin?							
	(A)	Mn++	(B)	Mg++				
•	(C)	Ca++	(D)	Zn++				
67.	Car	bohydrates are found in virtually all f	oods e	xcept				
	(A)	Milk	(B)	Meats				
	(C)	Breads	(D)	Fruits				
68.	A dr	rug which prevents uric acid synthesis	s by in	hibiting the enzyme				
	Xan	thine oxidase is	•	•				
	(A)	Aspirin	(B)	Allopurinol				
	(C)	Colchicine	(D)	Probenecid				
69.	Disa	accharides include						
	(A)	Starch, glycogen, and fiber						
	(B)	Amylose, pectin, and dextrose	. 1					
	(C)	Sucrose, maltose, and lactose						
	(D)	Glucose, galactose, and fructose						
70.	Prot	eins and macromolecular structures t	ake o	n their higher order Structures				
	(A)	By self-assembly						
	(B)	With the help of molecular chaperon	ıs					
	(C)	With the help of precursor sequence	s that	are removed from the final structure				
	(D)	All of the above						
			-					
71.	The	making of a disaccharide from two m	onosa	ccharides is an example of				
	(A)	Digestion	(B)	Hydrolysis				
	(C)	Condensation	(D)	Gluconeogenesis				
72.	Whi	ch of the following is not a sensible gr	oupin	g of amino acids based on				
	Thei	ir polarity properties?						
	(A)	Ala, Leu, and Val	(B)	Arg, His, and Lys				
	(C)	Phe, Trp, and Tyr	(D)	Asp,Ile and Pro				
				·				

73.	The storage form of glucose in the body is									
	(A)	Insulin		(B)	Maltose					
	(C)	Glucagon		(D)	Glycogen					
74.	The	isoelectric point of a	an amino acid is	defined	l as the nh					
		(A) Where the molecule carries no electric charge								
	(B)	Where the carboxy			m=0					
	(C)	Where the amino								
	(D)	Of maximum elect								
 .				٠.						
75.	The significant difference between starch and cellulose is that									
	(A)	A) Starch is a polysaccharide, but cellulose is not								
	(B)	Animals can store glucose as starch, but not as cellulose								
	(C)	Hormones can mal	ke glucose from c	ellulos	e, but not from starch					
	(D)	Digestive enzymes	can break the bo	onds in	starch, but not in cellulose					
76.	Wha	t is the heaviest of t	the twenty amino	acids?	?					
	(A)	Phenylalanine		(B)	Tryptophan					
	(C)	Tyrosine	•	(D)	Histidine					
77.	The ultimate goal of carbohydrate digestion and absorption is to yield									
	(A)	Fibers		(B)	Glucose					
	(C)	Enzymes		(D)	Amylase	,				
78.	Wha	t is the end product	of leucine metab	olism?						
	(A)	Acetyl-coa		(B)	Pyruvic acid					
-	(C)	Oxaloacetic acid		(D)		•				
79.	The o	enzyme that breaks	a disaccharide in	ito glud	cose and galactose is	•				
	(A)	Amylase		(B)	Maltase					
	(C)	Sucrase		(D)	Lactase					

80.	When the amino acid alanine (R-group is CH3) is added to a solution with a Ph of 7.3 alanine becomes						
	(A)	A cation	(B)	Nonpolar			
	(C)	A zwitterions	(D)	An isotope			
81.	With insufficient glucose in metabolism, fat fragments combine to form						
	(A)	Dextrins	(B)	Mucilages			
	(C)	Phytic acids	(D)	Ketone bodies			
82 .	The elements oxygen, nitrogen, and carbon						
	(A)	Can all form covalent bonds with other elements					
	(B)	Contain protons and neutrons in their atomic nuclei					
	(C)	Are common elements in the molecules that make up living organisms					
•	(D)	All of the above					
83.	Wha	What does the pancreas secrete when blood glucose rises? When blood glucose falls?					
	(A)	Insulin; glucagon	(B)	Glucagon; insulin .			
	(C)	Insulin; glycogen	(D)	Glycogen; epinephrine			
84.	The	The main difference between an acid and a base is that					
	(A)	Bases are polar molecules and acids are not					
	(B)	Acids are polar molecules and bases are not					
	(C)	Bases donate hydrogen ions in water while acids accept hydrogen ions					
	(D)	Acids donate hydrogen ions in water while bases accept hydrogen ions					
85.	What percentage of the daily energy intake should come from Carbohydrates?						
	(A)	15 to 20	(B)	25 to 30			
	(C)	45 to 50	(D)	45 to 65			
86.	Whi	Which of the following character does not apply to water?					
	(A)	The water molecule is asymmetric					
•	· (B)	The water molecule readily forms hydrophobic interactions					
	(Ć)	The covalent bonds in water are highly polarized					
	(D)	All three atoms in the water molecule readily form hydrogen bonds					

87.	Whi Acid	ch of the following organic groups is?	are	found in naturally occuring amin	3				
	(A)	Guanidinium ion	(B)	Indole					
	(C)	Imidazole	(D)	All of these					
	-								
88.	The ph of a solution is determined by								
	(A)	Concentration of salt		•					
	(B)	Relative concentration of acids and b	ases						
	(C)	Dielectric constant of the medium							
	(D)	Environmental effect							
89.	Polyprotic acids such as H ₃ PO ₄ , can act as acid-base buffers								
	(A)								
	(B)	If their concentration is kept low							
	(C)	At ph values around neutrality	,						
	(D)	At ph values around any of their pka	's						
		•							
90.	Which symbol is used to represent a heating process in a food processing								
	Flow	vchart?							
	(A)	0	(B)	∇ .					
	(C)	<u> </u>	(D)	\Rightarrow					
91.	W/bi	ch of the following is most affected by	high	levels of otherlane?					
91,	(A)	Ripening of fruits	(B)	Rancidity of chesse					
	(C)	Color change of meat	` .	Microbial spoilage of brad					
. •	(0)	Color change of meat	(D)	Microbial sponage of brau					
92.	Whi	Which of the following best determines the suggested selling price of a Product?							
	(A)	The Break-Even point							
	∜(B)	Cost and availability of raw material	s						
	(C) Predicted price consumers are prepared to pay								
	(D) error of production costwith no profit margin								
93.	Why are quality assurance systems used in food production?								
	(A)	To promote product	(B)	To increase production					
	(C)	To increase market share	(D)	To achieve consistency of products					
		15		15	2				

94.	Which feature of product is monitored by the critical control points of HACCP system?							
	(A)	Size	(B)	Safety				
	(C)	Nutrition	(D)	Consistency				
95.	In which of the following groups foods are produced by fermentation?							
	(A)	Jam, honey; milk	(B)	Cheese, jams, pickles				
	(C)	Honey, salami, Pickles	(D)	Cheese, yogurt, salami				
96.	What is the role of active scavenging sachet in active packaging?							
	(A) To absorb moisture, thus preventing mould growth							
	(B) To replace nitrogen content, thus preventing flavour changes							
	(C)	To add carbon dioxide that extend	s produc	ct shelf-life				
	(D)	To absorb undesirable gases that r	educe p	product shelf –life .				
97.	What is the main function of ascorbic acid when added to orange juice?							
	(A)	To enhance flavour	(B)	To extend shelf life				
	(C)	To extend nutrient loss	(D)	To act as antioxidant				
98.	Wha	t is the temperature danger zone?						
	(A)	60°F-160°F	(B)	30°F-130°F				
	(C)	20°F-120°F	(D)	40°F-140°F				
99.	According to the rule of thumb for leftovers, how many days can leftovers Remain in the refrigerator at 40°F or below?							
	(A)	3	· (B)	.6				
	(C)	5	(D)	4				
100	What is the process of heating liquids or food at high temperatures to							
	Destroy food borne pathogens?							
	(A)	Food preservation	(B)	Irradiation				
	(C)	High Pressure Processing	(D)) Canning				
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