

CII – iPATE 2.0 (2021)

Computer Based PAN India Examination

Category: GRADUATE ENGINEER (ENTRY LEVEL)

Engineering Discipline: FOOD TECHNOLOGY

Questions & Answers

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Paper Structure

Question Nos.	Sections & Topics		Marks
1 to 20	Section I : Cognitive Abilities	<ul style="list-style-type: none">Quantitative AptitudeAnalytical ReasoningData InterpretationEnglish Communication	20
21 to 40	Section II : Professional Abilities	<ul style="list-style-type: none">Project ManagementHealth, Safety & Risk ManagementEnvironmental LawsSocial Responsibility & EthicsFinance & AccountsLegal, Contracts & Arbitration	20
41 to 50	Section III (A) : Technical Abilities	Physics & Chemistry (10+2 level)	10
51 to 100	Section III (B) : Technical Abilities	Engineering Discipline	50
TOTAL			100

NOTE:

- Exam Duration: 3 Hours
- Total 100 no. of Questions of 1 Mark each with Negative Marking of ½ Mark for every wrong answer
- Questions (Section wise) and respective Answer Options shuffled at Candidates' terminal

Question No. 1	Discriminant of a second-degree polynomial with integer coefficients cannot be:			
Answer Options	A)	B)	C)	D)
	43	33	68	25
Right Answer	A			

Question No. 2	How many subsets A of {1, 2, 3, 4, 5, 6, 7, 8, 9, and 10} have the property that no two elements of A sum to 11?			
Answer Options	A)	B)	C)	D)
	1024	512	343	243
Right Answer	C			

Question No. 3	Viru and Aarti started a car journey from Chandigarh to Delhi, which are 288 km apart. Viru took 12 hours more than Aarti to complete the journey. Had Viru travelled at double his actual speed, he would have taken 4 hours less than Aarti to complete the journey. Find the respective speeds (in km/hr) at which Viru and Aarti travelled.			
Answer Options	A)	B)	C)	D)
	14.4 and 9	14.5 and 28.5	9 and 14.4	15 and 20
Right Answer	C			

Question No. 4	The height of a trapezoid whose diagonals are mutually perpendicular is equal to 4. Find the area of the trapezoid if it is known that the length of one of its diagonals is equal to 5.			
Answer Options	A)	B)	C)	D)
	50/3 square units	100/3 square units	16/6 square units	None of these
Right Answer	A			

Question No. 5	A polyhedron has faces that are all either triangles or squares. No two square-faces share an edge, and no two triangular-faces share an edge. What is the ratio of triangular-faces to the number of square-faces?			
Answer Options	A)	B)	C)	D)
	03:04	04:03	01:02	04:05
Right Answer	B			

Question No. 6	Your mind likes reading and it actually has a number of important health affects you can't get in any other way. Reading gives you a unique "pause button" for comprehension. Typically, when you read, you have more time to think. When you watch a film or listen to a tape, you don't press that pause button. Reading requires a great deal of concentration, which calls your intelligence to action. The author of this passage would agree that:			
Answer Options	A)	B)	C)	D)
	Reading is a good way to relax, since it doesn't require that much thinking.	Watching a movie has the same effect on the intelligence as reading.	Reading develops your intelligence.	Both A and C
Right Answer	C			

Question No. 7	Read the following information carefully and answer the question given below. P stands 5m west of R. T stands 5m south of Q. T stands 6m east of U. V stands 2m west of Q. A stands 2m south of U. V stands 3m north of R. If G stands 7m east of P, then in which direction does G stands with respect to T?			
Answer Options	A)	B)	C)	D)
	West	East	South	North
Right Answer	D			

Question No. 8	The French Revolution began in 1789 and ended in the late 1790s with the ascent of Napoleon Bonaparte. During this period, French citizens razed and redesigned their country's political landscape, uprooting centuries-old institutions such as absolute monarchy and the feudal system. Like the American Revolution before it, the French Revolution was influenced by Enlightenment ideals, particularly the concepts of popular sovereignty and inalienable rights. From this passage it can be concluded that:			
Answer Options	A)	B)	C)	D)
	The French revolution began before the Russian Revolution.	In the French Revolution their monarch was killed.	The American Revolution happened before the French Revolution.	Napoleon initiated the French Revolution.
Right Answer	C			

Question No. 9	A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?			
Answer Options	A)	B)	C)	D)
	Between B and C	Between E and D	Between B and D	Between C and E
Right Answer	A			

Question No. 10	A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?			
Answer Options	A)	B)	C)	D)
	X	Z	S	A
Right Answer	A			

Question No. 11	In the following question choose the word which is the exact OPPOSITE of the given word. STRINGENT			
Answer Options	A)	B)	C)	D)
	Magnanimous	Vehement	General	Lenient
Right Answer	D			

Question No. 12	Some proverbs/idioms are given below together with their meanings. Choose the correct meaning of proverb/idiom. To catch a tartar			
Answer Options	A)	B)	C)	D)
	To trap wanted criminal with great difficulty	To catch a dangerous person	To meet with disaster	To deal with a person who is more than one's match
Right Answer	B			

Question No. 13	Which of the phrases A), B), C) and D) given below each sentence should replace the word/phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark (E) as the answer. Since the girl did not want to be disturbed while studying, she left the phone off hooks.			
Answer Options	A)	B)	C)	D)
	of hook	for the hook	off hooking	off the hook
Right Answer	D			

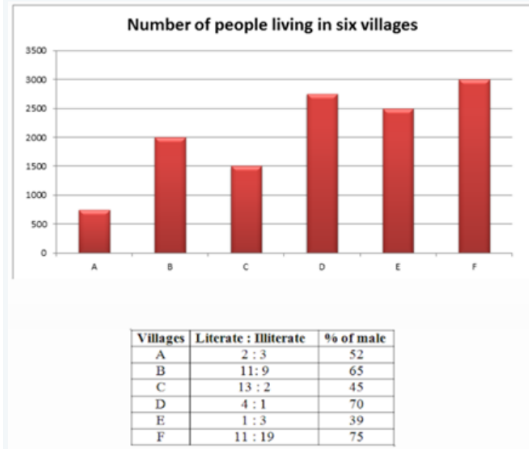
Question No. 14	In the following question choose the word which is the exact OPPOSITE of the given word. FICKLE			
Answer Options	A)	B)	C)	D)
	Courageous	Sincere	Steadfast	Humble
Right Answer	C			

Question No. 15	<p>In question below, the passage consists of six sentences. The first and sixth sentence are given in the correct places. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.</p> <p>S1: In the middle of one side of the square sits the Chairman of the committee, the most important person in the room.</p> <p>P: For a committee is not just a mere collection of individuals.</p> <p>Q: On him rests much of the responsibility for the success or failure of the committee.</p> <p>R: While this is happening, we have an opportunity to get the 'feel' of this committee.</p> <p>S: As the meeting opens, he runs briskly through a number of formalities.</p> <p>S6: From the moment its members meet, it begins to have a sort nebulous life of its own.</p> <p>The Proper sequence should be:</p>			
Answer Options	A)	B)	C)	D)
	RSQP	QSRP	SQPR	PQRS
Right Answer	B			

Question
No. 16

Question nos. 16 to 20:

Following bar chart represents the number of people in 6 different villages (A, B, C, D, E and F) and the tabular column depicts the ratio of literate to illiterate people and percentage of male living in those villages.



If 40% of the female from village B is literate, then what is the percentage of male, who is illiterate from village B?

Answer Options	A) 38%	B) 35%	C) 37%	D) cannot be determined
Right Answer	C			

Question No. 17	What is the percentage of literate people in all the six villages together?			
Answer Options	A) 55%	B) 53%	C) 51%	D) cannot be determined
Right Answer	B			

Question No. 18	What is the ratio between numbers of illiterate people from villages B, C & D to number of females from villages A, E & F?			
Answer Options	A) 320:527	B) 527:330	C) 330:527	D) 527:320
Right Answer	C			

Question No. 19	If 3% of female from village D & 5% of female from village E are literate then what is the total number of literate males from D & F together?			
Answer Options	A) 1823	B) 1723	C) 1623	D) cannot be determined
Right Answer	D			

Question No. 20	The number of females from villages A & C is how much percentage more or less than number of females from villages D & F?			
Answer Options	A) 25.72%	B) 25.76%	C) 24.76%	D) 24.72%
Right Answer	C			

Question No. 21	A project plan results in a project schedule seems to be too long. If the project network diagram cannot change but extra personnel resources is available, what is the best thing to do?			
Answer Options	A)	B)	C)	D)
	Fast track the project	Level the resources	Crash the project	Any other option
Right Answer	C			

Question No. 22	Which of the following is not Project Management's goal			
Answer Options	A)	B)	C)	D)
	Keeping overall cost within the budget	Delivering the project/goods to the client at agreed time	Maintaining a satisfactory and well-functioning development	Avoiding customer/client complaints
Right Answer	D			

Question No. 23	You have recently been named as Project Manager of a new project under a Contract. The Project Management Unit (PMU) gave you the contract signed by the Customer and a Statement of Work and asked you to go on with initiation. Which document should you develop next?			
Answer Options	A)	B)	C)	D)
	Project Manager Plan	Milestone Schedule	Project Charter	Scope Statement
Right Answer	C			

Question No. 24	The analysis tool for a quality problem that involves selecting the problem, identifying major categories of potential causes and associating likely specific causes is			
Answer Options	A)	B)	C)	D)
	Pareto chart	Fishbone diagram	Scatter diagram	Check list
Right Answer	B			

Question No. 25	The Occupational Safety & Health Administration requires employers to have Hearing Conservation Plans if the average 8-hour noise exposure is more than			
Answer Options	A)	B)	C)	D)
	1000 dB	500 dB	105 dB	85 dB
Right Answer	D			

Question No. 26	Ammonia becomes an immediate danger to your life and health when it is present at the following level or greater			
Answer Options	A)	B)	C)	D)
	10 ppm	30 ppm	300 ppm	1000 ppm
Right Answer	C			

Question No. 27	Exposure to high levels of noise can lead to which of the following:			
Answer Options	A)	B)	C)	D)
	High blood pressure	Gastrointestinal problems	Chronic fatigue	All of the above
Right Answer	D			

Question No. 28	Which type of fire extinguishing system is most commonly used to protect areas containing valuable equipment such as data processing rooms, telecommunications switches, and process control rooms?			
Answer Options	A)	B)	C)	D)
	Fixed extinguishing systems	Portable extinguishing systems	Hose extinguishing systems	It's up to the discretion the employer
Right Answer	A			

Question No. 29	If you need to wear glasses with your eye or face protection, which of the following options is acceptable			
Answer Options	A)	B)	C)	D)
	Wearing prescription spectacles with side shields and protective lenses that meet safety requirements and also correct your vision	Wearing goggles that fit comfortably over your glasses	Wearing goggles that have corrective lenses mounted behind the protective lenses	All of the above
Right Answer	D			

Question No. 30	Under which Section of Environment Pollution Act, the CPCB can issue the directions directly to industries			
Answer Options	A)	B)	C)	D)
	Section 16	Section 18	Section 11	Section 5
Right Answer	D			

Question No. 31	Which of these divisions of Pollution Control Implementation deals with Air Polluting Industries			
Answer Options	A)	B)	C)	D)
	PCI - I	PCI - II	PCI - III	SSI & Law
Right Answer	B			

Question No. 32	The Kyoto Protocol is an international treaty which extends the United Nations Framework Convention on Climate Change (UNFCCC). In which year the convention held?			
Answer Options	A)	B)	C)	D)
	1987	1995	1992	1997
Right Answer	C			

Question No. 33	What is the harm from manipulation of Earth's Ozone layer?			
Answer Options	A)	B)	C)	D)
	The average temperature of Earth's surface will increase gradually	The Oxygen content of the atmosphere will decrease	Increased amount of Ultraviolet radiation will reach earth's surface	Sea level will rise as the polar ice caps will gradually melt
Right Answer	C			

Question No. 34	Which of the following would not represent the cash outflows for the business?			
Answer Options	A)	B)	C)	D)
	Purchase of building for cash	The sale of land for cash	Retirement of long-term debt	The payment of cash for dividends
Right Answer	B			

Question No. 35	Which one of the following tangible fixed assets would not normally be depreciated?			
Answer Options	A)	B)	C)	D)
	Buildings	Machinery	Land	Equipment
Right Answer	C			

Question No. 36	A Profit is earned if?			
Answer Options	A)	B)	C)	D)
	Assets exceed Expenditure	Income exceeds Expenditure	Cash Inflow exceeds Cash Outflow	Income exceeds Liabilities
Right Answer	B			

Question No. 37	Which of the following budgets is normally prepared first?			
Answer Options	A)	B)	C)	D)
	Cash budget	Sales budget	Merchandise purchases budget	Selling expense budget
Right Answer	B			

Question No. 38	What is the correct sequence in the formation of a contract?			
Answer Options	A)	B)	C)	D)
	Offer, acceptance, agreement, consideration.	Agreement, consideration, offer, acceptance.	Offer, agreement, consideration, acceptance.	Offer, acceptance, consideration, agreement.
Right Answer	D			

Question No. 39	Which of the following answers is most accurate description of arbitration?			
Answer Options	A)	B)	C)	D)
	An informal meeting between the parties involving a discussion to sort out the dispute	An adjudicative process where the parties submit their disputes for a binding decision to an impartial tribunal	A meeting between the parties where an impartial third party gives decision	An impartial umpire selected to decide after hearing the dispute from parties
Right Answer	B			

Question No. 40	Which of the following answers is not type of alternative dispute resolution?			
Answer Options	A)	B)	C)	D)
	Arbitration	Court proceedings	Conciliation	Mediation
Right Answer	B			

Question No. 41	The equation of state for n moles of an ideal gas is $PV = nRT$, where R is the universal gas constant and all other quantities have their usual meanings. What are the dimensions of R?			
Answer Options	A)	B)	C)	D)
	$M^0L^{-2}K^{-1}mol^{-1}$	$M^0L^2T^{-2}K^{-1}mol^{-1}$	$ML^2T^{-2}K^{-1}mol^{-1}$	$ML^{-2}T^{-2}K^{-1}mol^{-1}$
Right Answer	C			

Question No. 42	A cylindrical tube open at both ends has fundamental frequency n. If one of the ends is closed, the fundamental frequency will become			
Answer Options	A)	B)	C)	D)
	$n/2$	$2n$	$4n$	n
Right Answer	A			

Question No. 43	The speed of sound in a gas is V and the root mean square speed of the gas molecules is V_{rms} . If the ratio of the specific heats of the gas is 1.5, then the ratio of V: V_{rms} will be			
Answer Options	A)	B)	C)	D)
	1:2	1:3	$1:\sqrt{2}$	$1:\sqrt{3}$
Right Answer	C			

Question No. 44	Which of the following phenomena gives evidence of the molecular structure of the matter?			
Answer Options	A)	B)	C)	D)
	Brownian motion	Diffusion	Evaporation	All of these
Right Answer	D			

Question No. 45	Starting with the same initial conditions, an ideal gas expands from volume V_1 to V_2 in three different ways. The work done by the gas is W_1 if the process is purely isobaric, W_2 if the process is purely isochoric and W_3 if the process is purely adiabatic. Then			
Answer Options	A) $W_1 > W_2 > W_3$	B) $W_2 > W_1 > W_3$	C) $W_1 > W_3 > W_2$	D) $W_3 > W_1 > W_2$
Right Answer	A			

Question No. 46	A vessel contains a mixture of 1 mole of oxygen and two moles of nitrogen at 300K. The ratio of the rotational kinetic energy per O_2 molecule to that per N_2 molecule is			
Answer Options	A) 1:1	B) 1:2	C) 2:1	D) Depends on the moment of inertia of the two molecules
Right Answer	A			

Question No. 47	In a test experiment on a model aeroplane in a wind tunnel, the flow speeds on the lower and upper surfaces of the wing are v and $\sqrt{2}v$ respectively. If the density of air is ρ and the surface area of the wing is A , the dynamic lift on the wing is given by			
Answer Options	A) $(\rho v^2 A)/\sqrt{2}$	B) $(\rho v^2 A)/2$	C) $2\rho v^2 A$	D) $\sqrt{2}\rho v^2 A$
Right Answer	B			

Question No. 48	A boy whirls a stone in a horizontal circle 2m above the ground by means of a string 1.25m long. The string breaks and the stone flies off horizontally, striking the ground 10m away. What is the magnitude of the centripetal acceleration during circular motion? (Take $g=10\text{m/s}^2$)			
Answer Options	A) 400m/s^2	B) 300m/s^2	C) 200m/s^2	D) 100m/s^2
Right Answer	C			

Question No. 49	Radium (with Atomic no. = 87, Mass No. = 221) undergoes radioactive decay with a half-life of 4 days. The probability that a Ra nucleus will disintegrate in 8 days is			
Answer Options	A) 1/4	B) 3/4	C) 1/2	D) 1
Right Answer	B			

Question No. 50	A tunnel is dug along the diameter of the earth. An object is held in the tunnel at a distance x from the centre of the earth. The magnitude of the gravitational force on the object is proportional to			
Answer Options	A) $1/x$	B) $1/x^2$	C) x	D) x^2
Right Answer	C			

Question No. 51	Preheating Temperature of Milk for efficient filtration/ clarification			
Answer Options	A)	B)	C)	D)
	35- 40 °C	60 – 65 °C	75-80 °C	20-30 °C
Right Answer	A			

Question No. 52	Type of Yeast used in Bread Making			
Answer Options	A)	B)	C)	D)
	Compressed yeast	Dried Yeast	Both of them	Only Dried Yeast
Right Answer	C			

Question No. 53	Tofu is a high protein food made from _____			
Answer Options	A)	B)	C)	D)
	Cheese	Beef	soybeans	casein
Right Answer	C			

Question No. 54	What causes "milk allergy" in human infants when they are fed on cow milk?			
Answer Options	A)	B)	C)	D)
	Ig A	Ig G	IgE	Ig M
Right Answer	C			

Question No. 55	Which of the following contains the highest level of Immunoglobulins (Ig) in bovine milk??			
Answer Options	A)	B)	C)	D)
	Early milk (colostrum)	Middle milk	Strippings	Pooled milk
Right Answer	A			

Question No. 56	Osmotic pressure of milk is maintained by			
Answer Options	A)	B)	C)	D)
	Lactose	Chloride	Both (A) and (B)	None of the above
Right Answer	C			

Question No. 57	[(100 x per cent chloride)/per cent lactose] is known as			
Answer Options	A)	B)	C)	D)
	Chloride percentage	Lactose percentage	Chloride-lactose number	None of the above
Right Answer	C			

Question No. 58	In cheese-making process, which bond of κ -casein is split by chymosin			
Answer Options	A)	B)	C)	D)
	105-106 Phe-Met bond	105-106 Ser-Ala	103-104 Ala-Ile bond	192-193 Leu-Tyr
Right Answer	B			

Question No. 59	The following form of Lactose is used for seeding of Sweetened Condensed Milk (SCM)			
Answer Options	A)	B)	C)	D)
	α -monohydrate	β -anhydride	Lactose glass	β' – lactose (Beta prime)
Right Answer	A			

Question No. 60	In milk protein, Nitrogen of Kjel dahl content is multiplied by 6.38 instead of 6.25 because of			
Answer Options	A)	B)	C)	D)
	significant quantity of S in milk protein	significant quantity of Na in milk protein	significant quantity of Ca in milk protein	significant quantity of P in milk protein
Right Answer	D			

Question No. 61	Milk protein may be precipitated from milk with			
Answer Options	A)	B)	C)	D)
	Acid	Salt	Enzyme	All the above
Right Answer	D			

Question No. 62	Failure to inactivate enzymes- protease, lipase, amylase etc. in food can result in development of			
Answer Options	A)	B)	C)	D)
	Off-flavour & rancidity	Dis-colouration	Textural changes	all the above
Right Answer	D			

Question No. 63	How many layers are there in an aseptic package			
Answer Options	A)	B)	C)	D)
	2	3	4	6
Right Answer	D			

Question No. 64	Defect of Sandy Texture of Ice cream is caused by			
Answer Options	A)	B)	C)	D)
	Temperature fluctuation in storage	Very long storage period	Both of them	None of them.
Right Answer	C			

Question No. 65	The most common microbial agent of mastitis in milch animal is			
Answer Options	A)	B)	C)	D)
	Staphylococcus aureus	Escherichia coli	Corynebacterium pyogenes	All of them
Right Answer	D			

Question No. 66	The chemical sanitizer commonly used in food industries			
Answer Options	A)	B)	C)	D)
	Caustic soda	sodium triphosphate	sodium hypochlorite	None of these
Right Answer	C			

Question No. 67	All pathogenic organisms are _____ in nature			
Answer Options	A)	B)	C)	D)
	Psychrotrophic	Mesophilic	Thermophilic	Thermotolerant
Right Answer	B			

Question No. 68	Type of organism responsible for sweet curdling of fluid milk			
Answer Options	A)	B)	C)	D)
	Psychrotrophic	Mesophilic	Thermophilic	Thermotolerant
Right Answer	A			

Question No. 69	Organisms capable of withstanding pasteurizing temperatures of 63°C/30 min			
Answer Options	A)	B)	C)	D)
	Psychrotrophic	Mesophilic	Thermophilic	Thermotolerant
Right Answer	D			

Question No. 70	E. coli is categorized as _____ microorganism			
Answer Options	A)	B)	C)	D)
	Aerobic	Anaerobic	Facultative	Microaerophilic
Right Answer	C			

Question No. 71	Desirable Acidity range (% LA) of Yoghurt as a FG varies from			
Answer Options	A)	B)	C)	D)
	0.80 to 1.00	1.10 to 1.20	0.70 to 0.75	0.30 to .50
Right Answer	A			

Question No. 72	Bacillus cereus can be removed from milk by			
Answer Options	A)	B)	C)	D)
	Immediate cooling of Raw milk	batch pasteurization process	Thermization	Bactofugation.
Right Answer	D			

Question No. 73	In Methylene Blue Reduction Test			
Answer Options	A)	B)	C)	D)
	The disappearance of color in a short time indicates high microbial load.	The disappearance of color in a long time indicates high microbial load.	Disappearance of color indicates proper pasteurization of milk.	Disappearance of color indicates presence of E.Coli in milk.
Right Answer	A			

Question No. 74	_____ is source of food contamination by Rod Shaped Bacterial (Specially spores)			
Answer Options	A)	B)	C)	D)
	Improper refrigeration	un-cleaned utensils	dirt and dust	washing with plain water
Right Answer	C			

Question No. 75	Media required for identification of presence of Yeast and Moulds in Milk is			
Answer Options	A)	B)	C)	D)
	Tryptone dextrose agar.	Tributyryn Agar	Eosin Mythylene Blue agar	Malt extract agar
Right Answer	D			

Question No. 76	Antimicrobial action of NaCl in food arises as			
Answer Options	A)	B)	C)	D)
	Lowering water activity of food products	Creates dehydration of microbial cell	Decreases oxygen level in food	All of these.
Right Answer	D			

Question No. 77	Which of the flowing is/are non-sporulating bacteria?			
Answer Options	A)	B)	C)	D)
	Leuconostoc mesenteroides	Clostridium Botulinum	Bacillus anthracis	All of them
Right Answer	A			

Question No. 78	Pickling is a result of			
Answer Options	A)	B)	C)	D)
	Fermentation by acetic acid bacteria	Fermentation by lactic acid bacteria	Enzymatic reaction	All of these
Right Answer	B			

Question No. 79	Scum formation occurs in pickle due to growth of			
Answer Options	A)	B)	C)	D)
	Pathogenic bacteria	Molds	Algae	Wild yeast
Right Answer	D			

Question No. 80	Fermentation of inside tissues of vegetables during pickling causes			
Answer Options	A)	B)	C)	D)
	Cloudiness	Softness	Dull & faded product	None of these
Right Answer	D			

Question No. 81	Contamination of condensed milk with the yeast <i>Torula lactis condensis</i> may cause			
Answer Options	A)	B)	C)	D)
	Bloating	Bacterial thickening	mould buttons	None of these
Right Answer	A			

Question No. 82	Microbial rennet is mainly prepared from			
Answer Options	A)	B)	C)	D)
	<i>A. fumigatus</i>	<i>B.subtilis</i>	<i>B.stearothermophilus</i>	<i>A.niger</i>
Right Answer	B			

Question No. 83	Molds can grow over a pH range of _____			
Answer Options	A)	B)	C)	D)
	1.5 to 9.0	4.5 to 7.5	6.00 to 7.50	none of these
Right Answer	A			

Question No. 84	Chemical Changes that often used as ripening index of cheese.			
Answer Options	A)	B)	C)	D)
	Glycolysis	Proteolysis	Lipolysis	all of these
Right Answer	A			

Question No. 85	Milk constituents responsible for the yellowish color of milk			
Answer Options	A)	B)	C)	D)
	Cephalin	Carotene	Xanthophyll	β -lactoglobulin
Right Answer	B			

Question No. 86	Pigment responsible for greenish yellow color of whey			
Answer Options	A)	B)	C)	D)
	β -carotene	Riboflavin	Xanthophyll	α -carotene
Right Answer	B			

Question No. 87	Enzyme leads to rancid flavour			
Answer Options	A)	B)	C)	D)
	Protease	Phosphate	Lipase	Analase
Right Answer	C			

Question No. 88	People suffering from lactose intolerance lacking the enzyme of			
Answer Options	A)	B)	C)	D)
	Maltase	β – galactosidase	Pancreatic Amylase	Pancreatic Lipase
Right Answer	B			

Question No. 89	Lactic acid coagulates milk by producing precipitation of Casein at _____ pH.			
Answer Options	A)	B)	C)	D)
	4.6	3.5	6	9
Right Answer	A			

Question No. 90	In Milk, presence of _____ enzyme indicates pasteurization efficiency.			
Answer Options	A)	B)	C)	D)
	Protease	Phosphate	Lipase	Analase
Right Answer	B			

Question No. 91	Yield of co-extruded multilayer blown film in pouch-packing =			
Answer Options	A)	B)	C)	D)
	Number of good pouches/rolls of poly-film	(Wastage of film (inKg)/ 1 kg of poly-film) X 100	Number of good pouches / 1 kg of poly-film	(Number of good pouches / 1 kg of poly-film) X 100
Right Answer	C			

Question No. 92	% overrun of Ice-Cream			
Answer Options	A)	B)	C)	D)
	{(Volume of ice-cream – Volume of Ice Cream Mix) / Volume of Ice Cream} X 100	{(Weight of Unit Volume of Ice Cream - Weight of Unit Volume of mix)/ Weight of Unit Volume of mix} X 100	{(Weight of mix - Weight of Ice Cream)/ Weight of mix} X 100	{(Volume of ice-cream – Volume of Ice Cream Mix) / Volume of Ice Cream Mix} X 100
Right Answer	D			

Question No. 93	The Typical Vanilla flavor (as food flavouring agent) is developed			
Answer Options	A)	B)	C)	D)
	When the fruits become mature in Vanilla plant	By fermenting of Vanilla bean	By sun drying of vanilla beans for 4 weeks.	By storing the vanilla beans in cold room for 4 Months.
Right Answer	B			

Question No. 94	Use of Saccharine in ice-cream mix causes the problem of			
Answer Options	A)	B)	C)	D)
	Low Total Solid	Low Overrun	Both of them	None of them
Right Answer	C			

Question No. 95	The main purpose for addition of salt in Butter			
Answer Options	A)	B)	C)	D)
	Improve keeping quality	For taste enhancement	Increase overrun	For all these three
Right Answer	D			

Question No. 96	Temperature of time combination of heat treatment of milk for Dahi processing			
Answer Options	A)	B)	C)	D)
	90°C for 10 minutes	82°C for 3 Second	82°C for 1 minute	90°C for 2- 3 Second
Right Answer	A			

Question No. 97	Disturbances or vibrations at the time of curd setting results _____defect in Dahi.			
Answer Options	A)	B)	C)	D)
	Bitterness	Ropiness	Wheying Off	Lump formation
Right Answer	C			

Question No. 98	Which state is the largest milk producing state in India?			
Answer Options	A)	B)	C)	D)
	Gujarat	Rajasthan	Andhra Pradesh	Uttar Pradesh
Right Answer	D			

Question No. 99	To prepare a toned milk batch of 20000kg, what volume of milk is required having 5.00% fat and 8.5%SNF? (Note: sufficient SMP and water is available to fulfil the requirement)			
Answer Options	A)	B)	C)	D)
	12000kg	20000kg	5000kg	10000kg
Right Answer	A			

Question No. 100	In Jam/jelly processing which is the process for determination the end-point of boiling			
Answer Options	A)	B)	C)	D)
	By observing percentage of sugar in the mix using refractometer	Observing the boiling temperature of the product by using sugar thermometer.	Drop test of the product into a glass of water.	All of these
Right Answer	D			