

1	As compass is to direction, odometer is to (find the relation)					
	a)Distance	b)Time	c)Mileage	d)Speed	c	Mileage
2	Mean , median and mode are known as					
	a) Mathematical average	b) Measures of central tendencies	c) Measure of dispersion	d) Standard deviation	b	Measures of central tendencies
3	Which is the odd word?					
	a) unimportant	b) trivial	c) Insignificant	d) Important	d	Important
4	A measure of the lowest concentration of a component that can be detected by a given procedure is called					
	a) Sensitivity	b) Reproducibility	c) Accuracy	d) Precision	a	Sensitivity
5	Variance is the square of					
	a) Standard deviation	b) Mean	c) Range	d) Mode	a	Standard deviation
6	The analysis of variance table is also called as _____ table					
	a) Logarithmic	b) ANOVA	c) t-table	d) Z-table	b	ANOVA
7	What volume of 20% sucrose would one use to prepare 2ml of 5% sucrose solution?					
	a) 0.5 ml	b) 0.005 ml	c) 0.05 ml	d) 5 ml	a	0.5 ml
8	Which of the following is not used as a skin disinfectant					
	a) Isopropyl alcohol	b) Ethyl alcohol	c) Methanol	d) Soap	c	Methanol
9	Arrange the following in meaningful sequence 1. Birth, 2. Marriage, 3. Education, 4. Death, 5.Job					
	a) 1,3,5,2,4	b) 1,2,3,4,5	c) 1,3,5,2,4	d) 1,4,3,5,2	a	1,3,5,2,4
10	A and B are married couple. C and D are sisters. C is the sister of A. How is D related to B					
	a) Daughter-in- law	b) Sister	c) Cousin	d) Sister-in- law	d	Sister-in-law
11	If in a certain language COLD is coded as BNKC, How is HOT coded?					
	a) GNS	b) OLD	c) TOH	d) OHT	a	GNS
12	Rajesh walks 10 Km towards the south and then turns to his left and walks for 3 km. Finally, he turns to his right and walks 10 Km. In which direction is he now from the start point?					
	a) South	b) East	c) South-West	d) South-East	d	South-East
13	Which of the following equation represents a straight line					
	a) $y= ab$	b) $y=mx+c$	c) $y=a^2+b^2$	d) $y^2=4ab$	b	$y=mx+c$
14	UTS, RQP, _____, LKJ, IHG, find the missing letters					
	a) CDE	b) CBA	c) ONM	d) MNO	c	ONM
15	Which of the following is not a method of hypothesis testing					

	a) ANOVA	b) t-test	c) z-test	d) Mean	d	Mean
16	A sister of B. F is daughter of G. C is mother of B. D is father of C. E is mother of D. A is related to D as					
	a) Sister	b) Daughter	c) Daughter-in-law	d) Grand daughter	d	Grand daughter
17	The consistency of evaluation-results is measured by					
	a) Predictability	b) Objectivity	c) Reliability	d) Usability	c	Reliability
18	If DELHI is coded as 57892 and CULCUTTA as 34836114, how can CALICUT be coded?					
	a) 3483621	b) 3482361	c) 3462361	d) 3482163	b	3482361
19	"Did you speak to Monika?" "No, I've _____ seen her."					
	a) often	b) hardly	c) nearly	d) always	b	Hardly
20	Oxygen : Burn :: Carbon dioxide : ?					
	a) Foam	b) Explode	c) Extinguish	d) Isolate	c	Extinguish
21	Which organisation releases the World Food Price Index?					
	a) UNICEF	b) WWF	c) FAO	d) WFP	c	FAO
22	If an article is sold for Rs. 178 at a loss of 11%; What would be its selling price in order to earn a profit of 11%?					
	a) 220	b) 222	c) 227	d) 267	b	222
23	In the series, 1, 3, 4, 8, 15, 27, _____. Find the next number?					
	a) 37	b) 44	c) 50	d) 55	c	50
24	In the series, 11, 13, 17, 19, 23, 25, _____. Find the next number?					
	a) 26	b) 29	c) 36	d) 39	b	29
25	If the letters of the word "Evolution" are used as many times as one wants to use which one of the following words cannot be formed?					
	a) Loot	b) Tool	c) Volt	d) Vale	d	Vale
26	Density of pure water at 4 ⁰ C is					
	a) 1208 kg/m ³	b) 1000 kg/m ³	c) 1 kg/m ³	d) 900 kg/m ³	b	1000 kg/m ³
27	The unit of rate constant for a first order reaction is					
	a) 1/s	b) mol/L	c) mol L	d) s	a	1/s
28	Which of the following statement is correct					
	a) Na atom is bigger than Na ⁺ atom	b) Na atom is smaller than Na ⁺ atom	c) Cl ⁻¹ ion is smaller than Cl atom	d) Cl and C ⁻¹ atoms are of the same size	a	Na atom is bigger than Na ⁺ atom
29	The maximum number of hydrogen bonds formed by a water molecule is					
	a) 2	b) 4	c) 6	d) 4	b	4
30	Which of the following food products don not have a fermentation step involved in processing					
	a) Tea	b) Curd	c) Coffee	d) Yogurt	a	Tea

31	In SDS PAGE separation is based on					
	a) Molecular weight	b) Shape	c) Charge	d) Orientation	a	Molecular weight
32	Cobalt containing vitamin is					
	a) Vitamin B1	b) Vitamin B2	c) Vitamin B12	d) Vitamin B6	c	Vitamin B12
33	Vitamins often act as					
	a) Apoenzymes	b) Co-enzymes	c) Enzymes	d) Zymogens	b	Co-enzymes
34	Triple point of water is					
	a) 4.58 mm Hg at 0.01 ⁰ C	b) 4.58 mm Hg at 0 ⁰ C	c) 5.58 mm Hg at 0.01 ⁰ C	d) 4.58 mm Hg at 0 ⁰ C	a	4.58 mm Hg at 0.01 ⁰ C
35	Shelf-life of a food product is dependent upon its					
	a) Water content	b) Water activity	c) Nutritive value	d) Protein content	b	Water activity
36	Which of the following molecules have a sugar moiety:					
	a) Nucleic acids	b) Amino acids	c) Phospholipids	d) Polypeptides	a	Nucleic acids
37	Agar Is obtained from					
	a) Green Algae	b) Brown Algae	c) Red Algae	d) Blue-green Algae	c	Red Algae
38	Polymerase chain reaction can be understood as					
	a) DNA sequencing technique	b) DNA degradation technique	c) DNA amplification technique	d) DNA separation Technique	c	DNA amplification technique
39	MNP in microbial counting stands for					
	a) Most Probable Number	b) Multi Probable Number	c) Maximum Probable Number	d) Minimum Probable Number	a	Most Probable Number
40	Percentage of agar used in preparing solid media in general is					
	a) 1.5%	b) 4%	c) 1 %	d) 2%	a	1.5%
41	Tofu is prepared by precipitating with					
	a) Acid	b) Alkali	c)Rennet	d) Salts	d	Salts
42	If a microbes utilizes two carbon sources the growth follows a _____ curve					
	a) Logarithmic	b) Diauxic	c) Asynchronous	d) Straight line	b	Diauxic
43	Which of the following product is dehydrated:					
	a) Condensed milk	b) Dried vegetables	c) Tomato paste	d) Jam	b	Dried vegetables
44	A 'magnetron' is a component in which of the following kitchen appliances					
	a) Baking oven	b) Mixer grinder	c) Microwave	d) Boiling water kettle	c	Microwave

45	Beer acquires a bitter taste due to					
	a) Burnt sugars	b) Hops	c) Proteins form barley	d) Yeast	b	Hops
46	The enzyme papain is					
	a) Cellulolytic	b) Pectolytic	c) Proteolytic	d) Lipolytic	c	Proteolytic
47	Soybean chunks have a protein content between					
	a) 10-20%	b) 20-30%	c) 40-55%	d) 55-60%	c	40-55%
48	Which of the following is not an antimicrobial agent					
	a) UV-C	b) Bacteriocin	c) Hydrogen peroxide	d) Dihydrogen monoxide	d	Dihydrogen monoxide
49	Which of the following has highest amounts of sugar					
	a) Squash	b) Jam	c) Ready to serve juices	d) Aerated beverages	b	Jam
50	Alkalization or Dutch Process is associated with					
	a) Tea processing	b) Sugar processing	c) Coffee Processing	d) Chocolate Processing	d	Chocolate Processing
51	Cottage cheese is					
	a) Fermented	b) Ripened	c) Rennet coagulated	d) Acid coagulated	d	Acid coagulated
52	Reduction reactions of monosaccharides results in					
	a) Aldaric acids	b) Polyols	c) Aldonic acids	d) Disaccharides	b	Polyols
53	Golden rice is engineered genetically to have a rich content of					
	a) Vitamin C	b) Iron	c) Vitamin A	d) Riboflavin	c	Vitamin A
54	The color of beet roots is red due to					
	a) Lycopene	b) Betalains	c) Anthocyanins	d) Chlorophyll	b	Betalains
55	Which of the following is a class-II preservative					
	a) Smoke	b) Sugar	c) Salt	d) Sodium ascorbate	d	Sodium ascorbate
56	Which of the following is a prebiotic:					
	a) <i>Bifidobacterium bifidum</i>	b) <i>Lactobacillus lactis</i>	c) Fructo-oligosaccharides	d) Starch	c	Fructo-oligosaccharides
57	Mother of a malnourished child has been instructed to include a complete protein in diet for the diet for her child which of the following proteins should be recommended in sufficient amounts					
	a) Milk	b) Soya chunks	c) Wheat	d) Pulses	b	Soya chunks
58	Black pepper seeds is commonly adulterated with					

	a) Cow dung	b) Papaya seeds	c) Coal	d) Black salt	b	Papaya seeds
59	Starch by nature is					
	a) Amorphous	b) Crystalline	c) Semi-crystalline	d) Liquid	c	Semi-crystalline
60	Which of the following is responsible for flavor reversion in fats:					
	a) Linolenic acid	b) Linoleic acid	c) Butyric acid	d) Palmitic acid	a	Linolenic acid
61	Full form of GRAS is					
	a) Generally regarded as safe	b) Generally recommended as safe	c) Globally recognized as safe	d) Globally Recommended as safe	a	Generally regarded as safe
62	Metal chelating preservative is					
	a) EDTA	b) Malic acid	c) Ascorbic acid	d) Propionic acid	a	EDTA
63	Which of these parabens is the most soluble in water					
	a) Methyl	b) Ethyl	c) Propyl	d) Heptyl	a	Methyl
64	Which of the following acts both as antimicrobial and antioxidant					
	a) BHT	b) Sulphites	c) Ascorbic acid	d) Lactic acid	b	Sulphites
65	The bacteriocin 'Nisin' is a					
	a) Polypeptide	b) Polysaccharide	c) Lipopolysaccharides	d) Long chain fatty acid	a	Polypeptide
66	The enzyme having preservative action is					
	a) Glucose oxidase	b) Polyphenol oxidase	c) Ficin	d) Glucose isomerase	a	Glucose oxidase
67	Percentage of fructose in high fructose corn syrup is					
	a) 20%	b) 42%	c) 30%	d) 99%	b	42%
68	Gymnemagenin suppresses perception of					
	a) Sour taste	b) Sweet taste	c) Bitter taste	d) Salty taste	b	Sweet taste
69	Major organic acid found in apples is					
	a) Citric acid	b) Ascorbic acid	c) Lactic acid	d) Malic acid	d	Malic acid
70	Major acid in grapes					
	a) Tartaric acid	b) lactic acid	c) Malic acid	d) Citric acid	a	Tartaric acid
71	Naturally occurring sugars are mostly					
	a) Octoses	b) Hexoses	c) Pentoses	d) Heptoses	b	Hexoses
72	Koettstorfer number is also known as					
	a) Hehner value	b) Iodine value	c) Kirschner value	d) Saponification value	d	Saponification value

				n value		
73	Caramel is formed when sugar is heated (□) to					
	a) 100	b) 200	c) 300	d) 400	b	200
74	Staling of bread is related to					
	a) Starch	b) Gluten	c) Albumins	d) Prolamins	a	Starch
75	Which of the following vitamin is responsible for blood clotting					
	a) Vitamin C	b) Vitamin K	c) Vitamin B	d) Vitamin A	b	Vitamin K
76	Which of the following is true about pepsin?					
	a) Pancreatic enzyme	b) Salivary enzyme	c) Gastric enzyme	d) it is not an enzyme	c	Gastric enzyme
77	Riboflavin is a type of					
	a) Protein	b) Vitamin	c) Mineral	d) Lignin	b	Vitamin
78	Which of the following is not a bacteria					
	a) <i>Clostridium</i>	b) <i>Cladosporium</i>	c) <i>Corynebacterium</i>	d) <i>Enterobacter</i>	b	<i>Cladosporium</i>
79	Fruits generally undergo spoilage					
	a) Mold	b) Virus	c) Protozoa	d) Bacterial	a	Molds
80	Minimum pH value require for the growth of <i>Clostridium botulinum</i> Group I					
	a) 3.6	b) 4.6	c) 5.0	d) 5.6	b	4.6
81	Which of the following chemical method is used for moisture estimation					
	a) Conductivity method	b) Karl Fischer titration	c) Dielectric method	d) Hydrometer	b	Karl Fischer titration
82	Salted and dry fish are generally spoiled by					
	a) Bacteria	b) Fungi	c) Protozoa	d) Viruses	b	Fungi
83	Iodine test is performed for the detection of presence of in food.					
	a) Reducing sugar	b) Fat	c) Starch	d) Triglycerides	c	Starch
84	S.I. unit of dynamic viscosity is					
	a) N.m	b) Pa.s	c) N/m	d) J/kg	b	Pa.s
85	Stress is force per unit					
	a) length	b) area	c) volume	d) none	b	area
86	Shear thinning liquids are also known as					
	a) Elastic	b) Plastic	c) Pseudoplastic	d) Newtonian	c	Pseudoplastic
87	Microwave frequency generally used in food industry is					
	a) 1450 Hz	b) 2450 Hz	c) 3450 Hz	d) 4350 Hz	b	2450 Hz
88	Modes of heat transfer are of type					
	a) two	b) three	c) four	d) five	b	three

89	Bernoulli's theorem is about					
	a) Energy	b) Temperature	c) Pressure	d) Force	a	Energy
90	The ripening of fruits is hastened by gas					
	a) Methylene	b) Ethylene	c) CO ₂	d) N ₂	b	Ethylene
91	Cider, a wine is prepared from					
	a) Grapes	b) Apples	c) Pears	d) Plums	b	Apple
92	Sauerkraut is acid fermentation of cabbage					
	a) Citric	b) Lactic	c) Acetic	d) Gluconic	b	Lactic
93	Sterilization is carried out at					
	a) 100 °C	b) 111 °C	c) 121 °C	d) 140 °C	c	121 °C
94	The total titratable acidity of milk is reported with respect to					
	a) % of formic acid	b) % of citric acid	c) % of glutamic acid	d) % of lactic acid	d	% of lactic acid
95	Pasteurization of milk is done at					
	a) 63 °C for 30 min	b) 63 °C for 30 sec	c) 71 °C for 30 min	d) 59 °C for 30 min	a	63 °C for 30 min
96	CIP stands for					
	a) Clot In Pasteurization	b) Clean In Plant	c) Cells In Pasteurizer	d) Clean In Place	d	Clean In Place
97	According to FSSAI, standardized milk should contain					
	a) 4.5% fat & 8.5% SNF	b) 5.0 % fat & 8.5% SNF	c) 4.5% fat & 9.5% SNF	d) 5.0 % fat & 9.5% SNF	a	4.5% fat & 8.5% SNF
98	Tempering of butter is done at					
	a) 2 °C	b) 10 °C	c) 16 °C	d) 21 °C	c	16 °C
99	Ball mill is a type of					
	a) Attrition mill	b) Impact mill	c) Roller mill	d) Tumbling mill	d	Tumbling mill
100	The outer layer of cereals grains is called					
	a) Seed coat	b) Pericarp	c) Aleurone	d) Endosperm	b	Pericarp