

RGUCET 2022

MSc Food Technology

1	Flamboyant means					
	a) A person is guilty of heresy	b) Deserving blame	c) Connected with cooking	d) Showy and confident in behaviour	d	Showy and confident in behaviour
2	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
3	'Superannuation' refers to :					
	a) Suspension	b) Appointment	c) Date of birth	d) Retirement	d	Retirement
4	The word 'accountable' is closely related to					
	a) Responsible	b) Accountant	c) Culprit	d) Accounts	a	Responsible
5	Which is the odd word?					
	a) Unimportant	b) Trivial	c) Insignificant	d) Important	d	Important
6	EMBEZZLE corresponds to					
	a) Misappropriate	b) Balance	c) Clear	d) Remunerate	a	Misappropriate
7	A book cannot exist without its pages, likewise a guitar cannot exist without					
	a) Strings	b) Music	c) Band	d) Plectrum	a	Strings
8	Correct the sentence grammatically: She went to market despite of her illness.					
	a) to	b) of	c) despite	d) sentence is correct	d	sentence is correct
9	As compass is to direction, odometer is to (find the relation)					
	a) Distance	b) Time	c) Mileage	d) Speed	c	Mileage
10	Which of the following is antonyms of terrible:					
	a) Delectable	b) Frightening	c) Soothing	d) Scaring	c	Soothing
11	Number one tennis player (male) in the world is					
	a) Roger Federer	b) Novak Djokovic	c) Daniil Medvedev	d) Alexander Zverev	b	Novak Djokovic
12	One kilobytes has ____?					
	a) 1024 bytes	b) 1000 Bytes	c) 1028 bytes	d) 512 Bytes	a	1024 bytes
13	Technology Pioneers Community is an initiative of					
	a) World Economic Forum	b) IMF	c) NITI AYOOG	d) World bank	a	World Economic Forum

14	NASA's first mission, capable of finding earth size and smaller planets around other stars is					
	a) Hubble	b) Kepler	c) Wessler	d) Cassini	b	Kepler
15	Which of the following is a type of Memory chip?					
	a) RAM	b) CCD	c) CMOS	d) ASCII	a	RAM
16	The recently purchased Rafael jets from France are manufactured by					
	a) Boeing	b) Gulfstream	c) Dassault Aviation	d) Airbus	c	Dassault Aviation
17	The first electronic spreadsheet package was called					
	a) Excel	b) Quip	c) Libre office	d) VisiCalc	d	VisiCalc
18 was recently awarded the International Gandhi Awards for Leprosy by the President of India.					
	a) Dr. NipunVinayak	b) Dr. Manohar Agnani	c) Dr Mandeep Kumar Bhandari	d) Dr N.S. Dharmashaktu	d	Dr. N.S. Dharmashaktu
19	Central Research Institute of arid horticulture is located at					
	a) Jodhpur	b) Jaisalmer	c) Bikaner	d) Nagpur	c	Bikaner
20	Which of the following organization in India conducts the Sero survey					
	a) IIT Bombay	b) ICMR	c) ICAR	d) AIIMS	b	ICMR
21	The sum of first 1000 positive natural numbers is					
	a) 500555	b) 505050	c) 404040	d) 500500	d	500500
22	<i>The mode value of the data set- 7, 9, 9 10, 10, 10, 10, 11, 11, 11, 12, 13, 14 is</i>					
	a) 10	b) 9	c) 11	d) 12	a	10
23	As compass is to direction, odometer is to (find the relation)					
	a) Distance	b) Time	c) Mileage	d) Speed	c	Repeat question Mileage
24	If $X+2Y=2X+Y$, then X^2/Y^2 is equal to					
	a) 0	b) 1	c) 2	d) 4	b	1
25	A person travelled a distance of 50 km in 8 hours. He covered a part of distance on foot at the rate of 4 km/h and a part of on a bicycle at the rate of 10 km/h. How much distance did he travel on foot?					
	a) 10 km	b) 20 km	c) 30 km	d) 40 km	b	20 km
26	Naturally occurring sugars are mostly					
	a) Octoses	b) Hexoses	c) Pentoses	d) Heptoses	b	Hexoses
27	Koettstorfer number is also known as					
	a) Hehner value	b) Iodine value	c) Kirschner value	d) Saponification value	d	Saponification value
28	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
29	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
30	Protein content in egg is (g/100g)					
	a) 3.9	b) 12.9	c) 18.9	d) 25.9	b	12.9
31	Viscous nature of wheat dough is contributed by					
	a) Gliadin	b) Albumin	c) Globulin	d) Glutenin	a	Gliadin
32	Which of the following method is used for estimation of protein					
	a) Kjeldahl	b) DNS method	c) Anthrone	d) Soxhlet	a	Kjeldahl
33	Riboflavin is a type of					
	a) Protein	b) Vitamin	c) Mineral	d) Lignin	b	Vitamin
34	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>
35	Fruits generally undergo spoilage					
	a) Mold	b) Virus	c) Protozoa	d) Bacterial	a	Molds
36	Salted and dry fish are generally spoiled by					
	a) Bacteria	b) Fungi	c) Protozoa	d) Viruses	b	Fungi
37	Iodine test is performed for the detection of presence of in food.					
	a) Reducing sugar	b) Fat	c) Starch	d) Triglycerides	c	Starch
38	What is the main purpose of blanching of fruits and vegetables					
	a) To preserve enzymes	b) To inactivate enzymes	c) To activate enzymes	d) To isolate enzymes	b	To inactivate enzymes
39	Shear thinning liquids are also known as					
	a) Elastic	b) Plastic	c) Pseudoplastic	d) Newtonian	c	Pseudoplastic
40	Microwave frequency generally used in food industry is					
	a) 1450 Hz	b) 2450 Hz	c) 3450 Hz	d) 4350 Hz	b	2450 Hz
41	Modes of heat transfer are of type					
	a) two	b) three	c) four	d) five	b	three
42	Bernoulli's theorem is about					
	a) Energy	b) Temperature	c) Pressure	d) Force	a	Energy
43	The term IQF stands for					
	a) Individually Quick Frozen	b) Ideal Quick Frozen	c) Individually Quick Fried	d) Ideal Quick Fried	a	Individually Quick Frozen
44	Enzyme involved in fermentation of tea is					
	a) PPO	b) Lipase	c) Protease	d) Amylase	a	PPO

45	Which of the following additive is not permitted in fruits and vegetables					
	a) Sorbic acid	b) Para hydroxy benzoic acid	c) Nisin	d) SO ₂	d	SO ₂
46	Which of the following inert gas is commonly used in modified atmosphere packaging (MAP)?					
	a) Krypton	b) Argon	c) Helium	d) Xenon	b	Argon
47	Sauerkraut is acid fermentation of cabbage					
	a) Citric	b) Lactic	c) Acetic	d) Gluconic	b	Lactic
48	Sterilization is carried out at					
	a) 100 °C	b) 111 °C	c) 121 °C	d) 140 °C	c	121 °C
50	Ball mill is a type of					
	a) Attrition mill	b) Impact mill	c) Roller mill	d) Tumbling mill	d	Tumbling mill
51	Bromelain is obtained from					
	a) Papaya	b) Fig	c) Guava	d) Pineapple	d	Pineapple
52	Curing of meat is done to					
	a) increase protein	b) increase tenderness	c) increase fat	d) increase minerals	b	increase tenderness
53	Collagen is helix structure					
	a) single	b) double	c) triple	d) Quaternary	c	triple
54	Insulin is produced by					
	a) α-cells of pancreas	b) β-cells of pancreas	c) gall bladder	d) liver	b	β-cells of pancreas
55	BMI for normal men and women should be in range of kg/m ²					
	a) 1-9	b) 9-20	c) 19-27	d) 30-45	c	19-27
56	The zig-zag motion of colloidal particles was noticed by					
	a) Rutherford	b) Robert Brown	c) Tyndall	d) Einstein	b	Robert Brown
57	Which of the following orbital have spherical shape					
	a) d	b) f	c) p	d) s	d	s
58	When oil is mixed in water, and is agitated strongly, it forms					
	a) pure solution	b) colloidal solution	c) an emulsion	d) Homogeneous solution	c	an emulsion
59	Which Noble gas forms maximum number of compounds?					
	a) Xe	b) Ne	c) Ar	d) He	a	Xe
60	Raman's effect is related to					
	a) Light	b) Gravitation	c) Electrostatic	d) Astronomy	a	Light
61	When the moon is near the horizon, it appears bigger due to					
	a) Diffraction	b) Atmospheric	c) Scattering of light	d) Total internal refraction	b	Atmospheric refraction

		refraction				
62	What is the median of data? If mode and mean of a data are 52 and 70, respectively.					
63	a) 54	b) 64	c) 58	d) 68	b	64
	If two dice are thrown in the air, the probability of getting sum as 4 will be					
	a) 1/6	b) 1/9	c) 1/12	d) 1/18	c	1/12
64	When Force is proportional to m_1m_2/r^2 . This is the law of					
	a) Mass	b) Potential	c) Gravitation	d) Volume	c	Gravitation
65	Unit for strain is					
	a) m	b) kg	c) m^3	d) Dimensionless	d	Dimensionless
66	Considering a cube, shear stress acts					
	a) Tangentially	b) Diagonally	c) Both Tangentially and Diagonally	d) From all sides	a	Tangentially
67	1 kilocalorie is equal to					
	a) 4.184 Joule	b) 4184 Joule	c) 41.84 Joule	d) 418.4 Joule	b	4184 Joule
68	For a fluid flowing in a pipe under laminar flow, the Reynolds number will be less than					
	a) 2000	b) 4000	c) 4200	d) 4400	a	2000
69	a) Transparent	b) Absorbent	c) Opaque	d) Translucent	d	Translucent
	Covalent bonds are formed due to					
70	a) Transfer of electron	b) Sharing of electrons	c) Vander Waals force	d) Hydrogen bonding	b	Sharing of electrons
	Which of the following compounds are ionic					
71	a) NaCl	b) CH_4	c) C_2H_2	d) H_2O	a	NaCl
	Density of pure water at $4^{\circ}C$ is					
72	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
	The maximum number of hydrogen bonds formed by a water molecule is					
73	a) 2	b) 4	c) 6	d) 4	b	4
	The number of oxygen molecules released per photon of light in photosynthesis is known as					
74	a) Quantum yield	b) Quantum requirement	c) Photosynthetic yield	d) Respiration Quotient	a	Quantum yield
	The capability of any living plant cell in generating a new plant is termed as					
75	a) Regeneration	b) Totipotency	c) Embryogenesis	d) Microsporogenesis	b	Totipotency
	Aflatoxins are produced by					
76	a) Bacteria	b) Fungi	c) Algae	d) Bryophytes	b	Fungi

	In SDS PAGE separation is based on					
77	a) Molecular weight	b) Shape	c) Charge	d) Orientation	a	Molecular weight
	The general mechanism of enzyme action is by					
78	a) Decreasing pH	b) Decreasing the activation energy	c) Increasing pH	d) Increasing the activation energy	b	Decreasing the activation energy
	Cobalt containing vitamin is					
79	a) Vitamin B1	b) Vitamin B2	c) Vitamin B12	d) Vitamin B6	c	Vitamin B12
	Vitamins often act as					
80	a) Apoenzymes	b) Co-enzymes	c) Enzymes	d) Zymogens	b	Co-enzymes
	Which of the following molecules have a sugar moiety:					
81	a) Nucleic acids	b) Amino acids	c) Phospholipids	d) Polypeptides	a	Nucleic acids
	The hormone associated with diuresis is					
82	a) Vasopressin	b) Estrogen	c) Oxytocin	d) Adrenaline	a	Vasopressin
	Which of the following is not used as a skin disinfectant					
83	a) Isopropyl alcohol	b) Ethyl alcohol	c) Methanol	d) Soap	c	Methanol
	After four cycles of PCR, how many DNA duplexes can be obtained for a single DNA duplex					
84	a) 2	b) 4	c) 16	d) 32	c	16
	What volume of 20% sucrose would one use to prepare 2ml of 5% sucrose solution?					
85	a) 0.5 ml	b) 0.005 ml	c) 0.05 ml	d) 5 ml	a	0.5 ml
	The source of oxygen during photosynthesis is					
86	a) Water	b) Carbon dioxide	c) Glucose	d) Carbon monoxide	a	Water
	Pain killing agent in saliva is					
87	a) Ptyalin	b) Lysozyme	c) Opiorphin	d) Water	c	Opiorphin
	If bioavailability of a drug is 100%, the drug is supposed to be administered					
88	a) Orally	b) Topically	c) Intravenous route	d) Rectal route	c	Intravenous route
	If a microbes utilizes two carbon sources the growth follows a _____ curve					
89	a) Logarithmic	b) Diauxic	c) Asynchronous	d) Straight line	b	Diauxic
	Which of the following product is dehydrated:					
90	a) Condensed milk	b) Dried vegetables	c) Tomato paste	d) Jam	b	Dried vegetables
	A 'magnetron' is a component in which of the following kitchen					

	appliances					
91	a) Baking oven	b) Mixer grinder	c) Microwave	d) Boiling water kettle	c	Microwave
	Characteristics taste of ripened fruit depends upon					
92	a) Sugar levels	b) Organic acid levels	c) Ratio of sugar and organic acids	d) Vitamin C	c	Ratio of sugar and organic acids
	Beer acquires a bitter taste due to					
93	a) Burnt sugars	b) Hops	c) Proteins form barley	d) Yeast	b	Hops
	The enzyme papain is					
94	a) Cellulolytic	b) Pectolytic	c) Proteolytic	d) Lipolytic	c	Proteolytic
	Which of the following has highest amounts of sugar					
95	a) Squash	b) Jam	c) Ready to serve juices	d) Aerated beverages	b	Jam
	Alkalization or Dutch Process is associated with					
96	a) Tea processing	b) Sugar processing	c) Coffee Processing	d) Chocolate Processing	d	Chocolate Processing
	To maintain a proper healthy weight a average person needs					
97	a) 1100 cal	b) 2000-2600 cal	c) 2000-2600 kcal	d)1200 kcal	c	2000-2600 kcal
	Fruit ripening hormone is					
98	a) Abscisic acid	b) Auxin	c) Gibberellins	d) Ethylene	d	Ethylene
	Milk proteins are					
99	a) Nucleoproteins	b) Phosphoprotiens	c) Glycoproteins	d) Ferroprotiens	b	Phospho proteins
	Genetically modified mushrooms have been developed having less browning using :					
100	a) <i>Agrobacterium tumefaciens</i>	b)Virus	c) Gene silencing	d) CRISPR	d	CRISPR