

Sr No.	MSc Food science and Nutrition
1	Find the missing term in the series: 3, 20, 63, 144, 275,?
Alt1	354
Alt2	468
Alt3	548
Alt4	554

2	Choose word from the given options which bears the same relationship to the third word, as the first two bears: Anaemia: Blood :: Anarchy:?
Alt1	Lawlessness
Alt2	Government
Alt3	Monarchy
Alt4	Disorder

3	Teeth is related to Grit in the same way as Fist is related to.....?.....
Alt1	Blow
Alt2	Hand
Alt3	Open
Alt4	Clench

4	Select the lettered pair that has the same relationship as the original pair of words: Reproof: Scold
Alt1	Respite: Spite
Alt2	Romantic: Strong
Alt3	Salient: Prominent
Alt4	Chastise: Erring

5	Choose the alternative, which is similar to the given words: Bleat : Bray : Grunt
Alt1	Bark
Alt2	Croak
Alt3	Cry
Alt4	Scream

6	Spot the defective segment from the following:
Alt1	I wish
Alt2	I have a car
Alt3	to go shopping
Alt4	in the rain

7	Choose the meaning of the idiom/phrase from among the options given: Out of sorts
Alt1	unwell
Alt2	irrelevant
Alt3	in disorder
Alt4	out of love

8	The rowdy was at last done -----.
Alt1	over
Alt2	off
Alt3	away
Alt4	away with

9	Choose the option closest in meaning to the given word: BUCOLIC
Alt1	rustic
Alt2	utopian
Alt3	peaceful
Alt4	noisy

10	Choose the antonymous option you consider the best: CALLOW
Alt1	immature
Alt2	green
Alt3	clumsy
Alt4	veteran

11	If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month ?
Alt1	Sunday
Alt2	Monday
Alt3	Wednesday
Alt4	Friday

12	Water is related to Ocean in the same way as Snow is related to
Alt1	Peaks
Alt2	Hail
Alt3	Glacier
Alt4	Mountain

13	A's father's brother's father is D. how is D related to A ?
Alt1	Father
Alt2	Grandfather
Alt3	Uncle
Alt4	Son

14	Find the odd man out:
Alt1	Squash
Alt2	football
Alt3	hockey
Alt4	Cricket

15	In a certain code language, if CRICKET is coded as 3923564, ROCKET is coded as 913564 and KETTLE is coded as 564406, then how is LITTLE coded in that language ?
Alt1	024406
Alt2	240406
Alt3	20446
Alt4	200446

16	At what angles are the hands of a clock inclined at 20 minutes past 7 ?
Alt1	80 degrees
Alt2	90 degrees
Alt3	100 degrees
Alt4	120 degrees

17	Odd one out: 2,4,6,8
Alt1	2
Alt2	4
Alt3	6
Alt4	8

18	Which is smallest:
Alt1	Quarter of 140
Alt2	Double of 4×4
Alt3	7×5
Alt4	Half of 72

19	What is the next alphabet in the following series Z D X H V L T ?
Alt1	Q
Alt2	N
Alt3	P
Alt4	O

20	How many times are the abbreviations FB shorter than the word FACEBOOK?
Alt1	4times
Alt2	3times
Alt3	5times
Alt4	Many

21	Breast milk enhances the growth of the bacterium
Alt1	Escherichia coli
Alt2	Clostridium botulinum
Alt3	Lactobacillus brevis
Alt4	Lactobacillus bifidus.

22	Clarification of fruit juices is done by the use of
Alt1	Pectinases
Alt2	Proteases

Alt3	Glucosidaes
Alt4	Amylase

23	Maillard reaction takes place between
Alt1	Sugars and proteins
Alt2	Sugars and fat
Alt3	Sugars and sugars
Alt4	Sugars and vitamins

24	Microbial biomass which is produced for human/ animal consumption is
Alt1	SCP
Alt2	Vitamin
Alt3	Growth factors
Alt4	Inducer

25	Hypogeusia is a symptom associated with
Alt1	Zinc deficiency
Alt2	Iron deficiency
Alt3	Iodine deficiency
Alt4	Selenium deficiency

26	Cholelithiasis is a disease of
Alt1	Liver
Alt2	Gall bladder
Alt3	Pancreas
Alt4	Spleen

27	Salmonella infection leads to
Alt1	Gastroenteritis
Alt2	Fever
Alt3	Skin infection
Alt4	Paralysis

28	Trypsin inhibitors interfere with the digestion of
Alt1	Carbohydrates
Alt2	Proteins
Alt3	Fats
Alt4	Cholesterol

29	The mycotoxin in ground nut is
Alt1	Aflatoxin
Alt2	Patulin
Alt3	Sanguinarine
Alt4	Glycosides

30	Consumption of khesari dhal leads to
Alt1	Botulism

Alt2	Lathyrism
Alt3	Allergy
Alt4	Salmonellosis

31	Golden rice is fortified with
Alt1	Lycopene
Alt2	Retinol
Alt3	b-carotene
Alt4	Oryzanol

32	Ketonic rancidity is due to the action of
Alt1	Amylase
Alt2	Lipase
Alt3	Ketones
Alt4	Acrolein

33	The mineral which is an essential constituent of glutathione dismutase is
Alt1	Manganese
Alt2	Cobalt
Alt3	Selenium
Alt4	Copper

34	The process of child birth is called
Alt1	Menarche
Alt2	Vitiligo
Alt3	Vertigo
Alt4	Parturition

35	An agent which causes physical defects in the developing embryo is called
Alt1	Terratogen
Alt2	Oxytocin
Alt3	Adrenalin
Alt4	Epinephrine

36	The serum protein essential for the regulation of osmotic pressure and fluid balance is
Alt1	Albumin
Alt2	Globulin
Alt3	Nucleoprotein
Alt4	Lipoprotein

37	Fat is complexed with bile salts to form
Alt1	Triglycerides
Alt2	Glycerol
Alt3	Cholesterol esters
Alt4	Micelles

38	The storage form of iron is
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Alt1	Haem iron
Alt2	Non haem iron
Alt3	Ferritin
Alt4	Transferrin

39	The fever inducing hormone is
Alt1	Pyrogen
Alt2	Oxytocin
Alt3	Thyroxine
Alt4	Lutinizing hormone

40	Broca's index is useful in the diagnosis of
Alt1	Diabetes mellitus
Alt2	Renal failure
Alt3	Obesity
Alt4	Blood pressure

41	Lack of synthesis of melanin pigment is associated with the condition
Alt1	Phenylketonuria
Alt2	Maple syrup urine disease
Alt3	Alkaptonuria
Alt4	Galactosemia

42	In the diet, folates exist in the form of
Alt1	Folic acid
Alt2	Folinic acid
Alt3	Polyglutamates
Alt4	Tetrahydrofolates

43	Immediate response to allergy is mediated by
Alt1	IgA
Alt2	IgD
Alt3	IgE
Alt4	IgG

44	Probiotics and prebiotics are collective known as
Alt1	Symbiotics
Alt2	Synbiotics
Alt3	Microbiome
Alt4	Microflora

45	A food additive made from sugary materials by fermentation is
Alt1	Alcohol
Alt2	Vinegar
Alt3	Formic acid
Alt4	Butanol

46	Riboflavin can be produced by using
Alt1	Saccharomyces cerevisiae
Alt2	Saccharomyces ellipsoides
Alt3	Trichoderma viride
Alt4	Clostridium sp

47	Alcoholic fermentation was discovered by
Alt1	Waksman
Alt2	Louis Pasture
Alt3	Anton Van Leeuwenhoek
Alt4	Alexander Flemming

48	Zymology is the science of
Alt1	Animals
Alt2	Plants
Alt3	Microorganism
Alt4	Fermentation

49	The part of the brain involved in the regulation of body temperature is
Alt1	Cerebrum
Alt2	Cerebellum
Alt3	Medulla oblongata
Alt4	Hypothalamus

50	Erythropoetin is secreted by the
Alt1	Liver
Alt2	Kidney
Alt3	Heart
Alt4	Lungs

51	The qualitative threshold or cut-off values by which the nutritional status of the population can be assessed are called
Alt1	health indicators
Alt2	nutritional indicators
Alt3	economic indicators
Alt4	core indicators

52	Stunting, wasting and underweight are anthropometric parameters used to identify nutritional status of children under the age of
Alt1	one year
Alt2	five years
Alt3	ten years
Alt4	fifteen years

53	The programme which covers all children under the age of six, pregnant and lactating women is the
Alt1	ICDS

Alt2	MDMS
Alt3	NREGS
Alt4	Annapurna Yojana

54	Severe persistent vomiting during pregnancy is called
Alt1	hyperemesis gravidarum
Alt2	paraesthesia
Alt3	bulimia nervosa
Alt4	anorexia nervosa

55	The recruitment of blood vessels for growth by cancerous cells is called
Alt1	Angiogenesis
Alt2	Angioplasty
Alt3	Atherosclerosis
Alt4	Atheromatous

56	The normal heart rate of a new born infant is
Alt1	80 -100 per min.
Alt2	90 – 100 per min.
Alt3	100 - 110 per min.
Alt4	120 -140 per min.

57	Programmed cell death is called
Alt1	Necrosis
Alt2	Infarction
Alt3	Cirrhosis
Alt4	Apoptosis

58	The antibiotic used as a preservative is
Alt1	nisin
Alt2	streptomycin
Alt3	chloromycin
Alt4	ampicillin

59	The vitamin which is known as a prohormone is
Alt1	Vitamin A
Alt2	Vitamin B1
Alt3	Vitamin C
Alt4	Vitamin D

60	Give the concentration, in moles/liter, of the hydrogen ion, if pH of a solution is 7.
Alt1	1×10^{-7}
Alt2	2×10^{-7}
Alt3	5×10^{-7}
Alt4	7×10^{-7}

61	The immune cells which are reduced significantly in AIDS patients are the
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Alt1	Killer T lymphocytes
Alt2	Helper T lymphocytes
Alt3	B Lymphocytes
Alt4	C Lymphocytes

62	The protein produced by host cells by viruses is called
Alt1	b. Histamine
Alt2	Antiserum
Alt3	Antihistamine
Alt4	Interferon

63	An enzyme with antioxidant activity is
Alt1	Glutathione S-transferase
Alt2	Glucose isomerase
Alt3	Elastase
Alt4	Catalase

64	Thalassmia is associated with
Alt1	Megaloblastic anaemia
Alt2	Pernicious anaemia
Alt3	Sickle cell anaemia
Alt4	Hemolytic anaemia

65	An acyl carrier protein plays an essential role in the synthesis of
Alt1	reducing sugars
Alt2	amino acids
Alt3	fatty acids
Alt4	Cholesterol

66	The mineral essential for the absorption of glucose
Alt1	Calcium
Alt2	Phosphorous
Alt3	Iron
Alt4	Sodium

67	Body mass index is?
Alt1	Weight/Height in meter
Alt2	Height in meter/ Weight
Alt3	Weight/Height ² in meter
Alt4	Height in meter/ Weight ²

68	Enzymes belong to the category of:
Alt1	Lipids
Alt2	Proteins
Alt3	Carbohydrates
Alt4	Steroids

69	Low birth weight is defined as weight below:
Alt1	2.0 kg
Alt2	2.5kg
Alt3	3.0 kg
Alt4	None of the above

70	Double Fortified Salt consists
Alt1	Iron & Iodine
Alt2	Iodine & vitamin A
Alt3	Iron & vitamin D
Alt4	None of the above

71	Which of the following vitamin is not available in the plant foods
Alt1	Thiamine
Alt2	Riboflavin
Alt3	vitamin A
Alt4	Vitamin B12

72	DNA fingerprinting involves
Alt1	RFLP
Alt2	RAPD
Alt3	AFLP
Alt4	All of these

73	The water requirement for microorganisms is best expressed in terms of
Alt1	Moisture%
Alt2	aw
Alt3	Humidity%
Alt4	Relative humidity

74	Botulism is caused by
Alt1	Bacillus megaterium
Alt2	Lactobacillus acidophilus
Alt3	Staphylococcus aureus
Alt4	Clostridium botulinum

75	Foodborne infection is caused by
Alt1	Salmonella
Alt2	Bacillus cereus
Alt3	S.aureus
Alt4	Clostridium botulinum

76	which of the following is an essential amino acid
Alt1	Alanine
Alt2	Arginine
Alt3	Cystine
Alt4	Isoleucine

77	The enzyme which involves in overwinding of DNA
Alt1	Topoisomerases
Alt2	DNA polymerases
Alt3	DNA ligase
Alt4	DNA helicase

78	The lac operon is an operon required for the transport and metabolism of
Alt1	Glucose
Alt2	Lactose
Alt3	Galactose
Alt4	Fructose

79	Which one of the following is an vasodialator
Alt1	Angioleurin
Alt2	Epinephrine
Alt3	Vasopressin
Alt4	Bradykinin

80	Night blindness is caused due to the deficiency of
Alt1	Vitamin A
Alt2	Vitamin B
Alt3	Vitamin C
Alt4	Vitamin D

81	FAO stands for
Alt1	Food and Agriculture Organisation
Alt2	Food Additives Organisation
Alt3	Fast Agriculture Organisation
Alt4	Food and Aroma organization

82	The phase during which the rate of bacterial growth continuously increases
Alt1	lag phase
Alt2	log phase
Alt3	death phase
Alt4	Stationary phase

83	Antigenic determinants of an antigen that are recognized by antibody are
Alt1	Paratopes
Alt2	Epitopes
Alt3	Isotopes
Alt4	Non determinants

84	BCG vaccine provides protection against
Alt1	Measles
Alt2	Cholera
Alt3	Tuberculosis

Alt4	Small pox
85	FSSAI stands for
Alt1	Food standards safety authority of India
Alt2	Food safety standards authority of India
Alt3	Food service standards authority of India
Alt4	Food standards authority of India
86	Which one of the following is not a part of nervous system
Alt1	Sensory portion
Alt2	Motor portion
Alt3	Central nervous system
Alt4	Hormonal portion
87	Approximate number of cells in human body
Alt1	75 trillion
Alt2	50 trillion
Alt3	25 trillion
Alt4	40 trillion
88	Which one of the following is not true of cardiac muscle
Alt1	Controller of somatic nervous system
Alt2	Found in heart
Alt3	Cells are semi spindle in shape
Alt4	only one or two nuclei in the cell
89	Which one of the following is not a plasma protein
Alt1	Globulin
Alt2	Albumin
Alt3	Fibrinogen
Alt4	Casein
90	Putrefaction in meat is
Alt1	anaerobic decomposition of protein
Alt2	aerobic decomposition of protein
Alt3	Fermentation process
Alt4	purification of meat
91	HTST of pasteurization stands for
Alt1	High time short temperature
Alt2	Holding temperature short time
Alt3	High temperature short time
Alt4	None of the above
92	A blood group that has both A and B antigens but no antibodies, it is
Alt1	A
Alt2	O

Alt3	AB
Alt4	B

93	AIDS is caused by
Alt1	RNA virus
Alt2	DNA virus
Alt3	Herpes virus
Alt4	Hepatitis virus

94	Antibodies are produced by
Alt1	Histocytes
Alt2	Mast cells
Alt3	Plasma cells
Alt4	Fibroblasts

95	The following acid is present in the gastric juice
Alt1	HNO_3
Alt2	H_2SO_4
Alt3	HCl
Alt4	H_3PO_4

96	Home made oral rehydration solution is made by adding ___ to water
Alt1	Salt
Alt2	Sugar and Cooking soda
Alt3	Glucose
Alt4	Salt and sugar

97	Which one of the following has high fibre
Alt1	Pulses
Alt2	Fruits and Vegetables
Alt3	Fats
Alt4	Wheat

98	Which one of the following is not a food allergen
Alt1	Egg
Alt2	Peanut
Alt3	Soyabean
Alt4	Redgram

99	"Hidden hunger" is
Alt1	Protein deficiency
Alt2	Calorie deficiency
Alt3	Micronutrient deficiency
Alt4	Macronutrient deficiency

100	Which of the following diet is not recommended for chronic kidney disease patients
Alt1	High carbohydrate

Alt2	Low carbohydrate
Alt3	High protein
Alt4	Low protein