PART – A

Choose the most grammatically correct and meaningful option following the direction given for each question.

Direction : Find out the word approximately opposite in meaning to the given word.

1. Agony
   A) pain  B) bliss  C) excitement  D) fear

Direction : Find out the one word substitution for the given sentence.

   A) straight forward  B) maiden
   C) verbose  D) extempore

Direction : Find out the phrase nearest in meaning to the given word.

3. Alienate
   A) to make friendly  B) to travel widely
   C) to make isolated  D) to ban

Direction : Give a substitute that best expresses the meaning of the idiom/phrase marked in bold letters in the given sentence.

4. The detective left no stone unturned to trace the culprit.
   A) took no pains  B) did very irrelevant things
   C) resorted to illegitimate practices  D) used all available means

Direction : Complete the given sentence by choosing the right combination of the words mentioned as options.

5. It is useless to attempt to _____ from every danger, some ________ must be taken.
   A) escape, chances  B) free, results
   C) protect, judgements  D) dissociate, opportunities

Direction : Fill in the blanks with suitable articles.

6. I saw __________snake in ______ grass.
   A) the, the  B) the, a  C) an, the  D) a, the
Direction: Fill in the blanks with appropriate prepositions.

7. The moon rose ________ twelve O’clock ________ the night.
   A) in, at  B) at, to  C) at, in  D) to, in

Direction: Fill in the blank with the appropriate word(s) to complete the following sentence.

8. There________ any message from my teacher, since she moved to London.
   A) isn’t  B) wasn’t  C) hasn’t been  D) hadn’t been

Direction: Fill in the blank with the correct form of the verb ‘slam’.

9. He________ the door whenever he goes out of the room.
   A) slammed  B) slams  C) slam  D) slamming

Direction: Choose the correct one from the following sentences.

10. A) The sooner a thing is done, the better it is.
    B) The sooner things is done, the better it is.
    C) The sooner things is done, better it is.
    D) The sooner a thing is done, a better it is.

11. The Indian Institute of Remote Sensing is located at
    A) Hyderabad  B) Bengaluru  C) Dehradun  D) Ahmadabad

12. World Cancer Day (WCD) is observed every year on
    A) 4 February  B) 5 February  C) 2 February  D) 3 February

13. The Reserve Bank of India (RBI) was established on
    A) 1st April 1935  B) 21st April 1943  C) 1st April 1940  D) 15th August 1947

14. “NITI Aayog” stands for
    A) National Institution for Transforming India Aayog
    B) National Institution for Transition India Aayog
    C) National Institution for Trade India Aayog
    D) National Information for Transforming India Aayog

15. First Chief Justice of India was
    A) M. Patanjali Sastri  B) Mehar Chand Mahajan
    C) Zakir Hussain  D) Hiralal J. Kania
16. Who wrote the book ‘War and Peace’?
   A) Leo Tolstoy          B) Mahatma Gandhi
   C) Charles Dickens      D) Kipling

17. The symbol associated with Buddha’s renunciation is
   A) Bull                B) Horse
   C) Lotus               D) Fish

18. “Yakshagana” is a folk dance-drama of
   A) Maharashtra         B) Karnataka
   C) Gujarat             D) West Bengal

19. Electrostatic Precipitator is used for the control of
   A) Water Pollution     B) Air Pollution
   C) Solid Waste         D) Noise Pollution

20. Which of the following city is not included in the list of recently announced first 20 cities to be developed as “Smart Cities”?
   A) Bhubaneshwar        B) Jaipur
   C) Pune                D) Varanasi

21. Who has won the 2016 Australian Open men’s singles title?
   A) Andy Murray         B) Stan Wawrinka
   C) Novak Djokovic      D) Roger Federer

22. In a certain code language “ASKED” is written as “45211”. How will “EIGHT” be written in that code language?
   A) 59782               B) 28795
   C) 72958               D) 95728

23. Arrange the words given below in a meaningful sequence.
   The correct sequence is
   A) 2, 3, 4, 5, 1       B) 2, 3, 4, 1, 5
   C) 1, 3, 5, 4, 2       D) 1, 2, 3, 4, 5

24. Five girls are sitting on a bench to be photographed. Seema is to the left of Rani and to the right of Bindu. Mary is to the right of Rani. Reeta is between Rani and Mary.
   Who is sitting immediate right to Reeta?
   A) Bindu               B) Rani
   C) Mary                D) Seema

25. Which of the following is not a storage drive?
   A) SSD                B) SSHD
   C) HDD                D) SHDD
PART – B

26. Which of the following is liquefying enzyme?
   A) α-amylase   B) β-amylase   C) Both   D) None

27. Raffinose is made up of
   A) Galactose, glucose and fructose   B) Mannose, glucose and galactose
   C) Mannose, glucose and fructose   D) Glucose, fructose and sucrose

28. Which of the following is the essential fatty acid?
   A) Stearic acid   B) Linolenic acid
   C) Lauric acid   D) Palmitic acid

29. DHA is
   A) Docosa Hexaenoic Acid   B) Docosa Hexanoic Acid
   C) Docosa Heptaenoic Acid   D) Docosa Heptanoic Acid

30. Which of the following is plant derived ω-3 fatty acid?
   A) ALA   B) Linoleic acid
   C) EPA   D) All of the above

31. Iodine value measures
   A) Degree of unsaturation   B) Degree of saturation
   C) Amount of carbon present   D) Number of iodine present

32. Which of the following vitamin is absent in egg?
   A) Vit-A   B) Vit-C   C) Vit-D   D) Vit-K

33. Roquefortine is found in which of the following?
   A) Cheese   B) Meat   C) Egg   D) Fruits

34. Vitamin A is the least stable under
   A) Acidic conditions   B) Alkaline conditions
   C) Both A and B   D) Neutral conditions
35. Most abundant mineral present in the egg shell is
   A) Iron          B) Magnesium          C) Zinc          D) Calcium

36. Antibiotic property is present in which of the following protein fraction?
   A) Lysozyme      B) Ovomucoid      C) Ovomucin      D) Avidin

37. The protein portion of the myoglobin is called
   A) Heme          B) Globin          C) Flavone          D) None of above

38. During processing of food which one of the following vitamin lost to the maximum extent?
   A) Niacin       B) Vit. K       C) Ascorbic acid       D) Vit. B6

39. Gelatinization of starch is
   A) Endothermic process          B) Exothermic process
   C) Reversible          D) Responsible for staling of bread

40. Which of the following explains the protein quality?
   A) Protein efficiency ratio          B) Net protein retention
   C) PDCAAS          D) All of the above

41. Which of the following amino acid is absent in cereals?
   A) Methionine      B) Phenylalanine      C) Valine      D) Leucine

42. Which of the following vitamin is absent in fruits and vegetables?
   A) Vit-A          B) Vit-B          C) Vit-C          D) None

43. Thixotropic flow is
   A) Non-newtonian, shear-thinning
   B) Newtonian, shear-thinning
   C) Non-newtonian, shear-thickening
   D) Non-newtonian, shear-thinning as well as shear-thickening
44. RDA stands for
   A) Regional Dietary Advisor   B) Recommended Dietary Allowances
   C) Regional Drug Administrator D) Recent Dietary Advancement

45. BMI stands for
   A) Basal Metabolic Index   B) Body Mass Index
   C) Body Metabolism Information D) Biotin Metabolic Index

46. Basmati rice has typical flavour due to
   A) Ethyl acetate
   B) Amyl acetate
   C) Both ethyl acetate and amyl acetate
   D) None of the above

47. Soxhlet method is based on which of the following principle?
   A) Chemical analysis   B) Solvent extraction
   C) Colorimetry   D) Chromatography

48. Adulteration of edible oil by mineral oil can be identified by
   A) Halman’s test   B) Boudin test   C) Holde’s test   D) Carl’s test

49. Lacquer coating of cans helps in
   A) Preventing cans from discolouration
   B) Providing cheaper way of colouring the can
   C) Providing mechanical strength
   D) Preventing can from shock during transportation

50. Canning is also known as
   A) Appertization   B) Pasteurization
   C) Sterilization   D) Cold sterilization
51. Cryovac is known as
   A) Method of preservation at low temperature
   B) Polyolefin material
   C) A disinfectant used during processing in plants
   D) None of above

52. Heating of cream at low pressure is called as
   A) Pasteurization          B) Sterilization
   C) Vacreation              D) Thermo-sterilization

53. Which is correct statement?
   A) Hydrogenation is done to convert saturated fatty acids to saturated fatty acids.
   B) Hydrogenated fat is resistance to oxidative rancidity.
   C) Hydrogenation lowers the melting point of vegetable oils.
   D) Elaidic acid is the principal trans saturated fatty acid often found in partially hydrogenated vegetable oils

54. Heating of frozen food is termed as
   A) Dehydrofreezing          B) Thawing
   C) Freeze drying            D) None of above

55. In slow freezing which of the following process occurs?
   A) Crystal size is big
   B) Crystal size is small
   C) Both extra cellular and intracellular crystallization takes place
   D) Quality of product is better than fast freezing

56. Which of the following is being used in immersion freezing?
   A) Glycol          B) Dry ice
   C) Ammonia         D) All of above
57. Which of the following is/are class – I preservative?
   A) Sugar   B) Sorbic acid
   C) Calcium propionates   D) All of above

58. In aseptic packaging, preservative used to sterilize the packaging material is
   A) Phosphoric acid   B) Sulphuric acid
   C) Hydrogen peroxide   D) All of above

59. Which of the following is used as anticaking agent?
   A) Tricalcium phosphate   B) Magnesium silicate
   C) Calcium silicate   D) All of above

60. Synthetic sweetner, saccharine is how many times sweeter than sucrose?
   A) 20   B) 150   C) 300   D) 1000

61. Vinegar is used as the preservatives in
   A) Confectionry   B) Ketchup   C) Jelly   D) Oils

62. The change in colour of meat during cooking is due to which of the following?
   A) Denaturation of myoglobin   B) Denaturation of haemoglobin
   C) Oxidation of fat   D) Both B and C

63. Define OHSAS.
   A) Operational Hazards Safety Application System
   B) Occupational Hazard Safety Application System
   C) Occupational Health Safety Assessment Series
   D) Operational Health Safety Assessment Series

64. Psychotrophic microorganisms can grow at
   A) Freezing temperature   B) Refrigeration temperature
   C) Saline conditions   D) High temperature
65. Which is the oil with the highest proportion of saturated fatty acids?
   A) Wheat germ oil        B) Corn germ oil
   C) Sunflower oil         D) Coconut oil

66. Ropiness in bread is caused due to which of the following microorganism?
   A) Bacillus licheniformis B) Serratia marcescens
   C) Geotrichum auranticum  D) None of above

67. Slimy Kraut is due to which of the following microorganism?
   A) Penicillium notatum     B) Bacillus subtilus
   C) Pediococcus cerevisae  D) Leuconostoc mesenteroides

68. Thamnidium is responsible for which of the following?
   A) Whiskers                B) Stickiness
   C) Putrefaction           D) Stamping ink

69. Mead is manufactured from which of the following?
   A) Sugarcane              B) Apple
   C) Honey                 D) Apricot

70. Which is correct statement?
   A) Trans fat behaves like unsaturated fat by raising the level of LDL.
   B) Trans fat raise LDL and decrease levels of HDL.
   C) Trans fats always polyunsaturated.
   D) Trans fat are always saturated.

71. Oil from which of the following source is best for human health?
   A) Palm oil               B) Hydrogenated oil
   C) Flaxseed oil           D) Coconut oil

72. Gliadin protein present in wheat is responsible for
   A) Elasticity        B) Extensibility
   C) Both             D) None of above

73. Which of the following confectionary product contains dispersed air?
   A) Fudge            B) Marshmallow
   C) Fondant         D) Caramel
74. What is the percentage of damage starch required for good quality bread?
   A) 2-5%  
   B) 9-12%  
   C) 17-20%  
   D) 23-26%

75. Which of the following is being used as oxidizing agent to improve the baking quality of flour?
   A) Calcium propionate  
   B) Tricalcium phosphate  
   C) Bromate  
   D) Ethyl bromide

76. Which of the following enzyme is used for baking purpose?
   A) Artificial amylase  
   B) Bacterial amylase  
   C) Salivary amylase  
   D) Fungal amylase

77. Semolina is prepared from
   A) Hard wheat  
   B) Soft wheat  
   C) Durum wheat  
   D) Buckwheat flour

78. Chocolate liquor is the another name for
   A) Cocoa mass  
   B) Marshmallow  
   C) Cocoa butter  
   D) Chocolate drink

79. Which of the following protein contributes elasticity to dough?
   A) Albumin  
   B) Globulin  
   C) Glutenin  
   D) Gliadin

80. Which vitamin is the example of sugar acids?
   A) Vitamin A  
   B) Vitamin C  
   C) Vitamin D  
   D) Vitamin E

81. Green rot in egg is due to which of the following microorganisms?
   A) Pseudomonas fluorescence  
   B) Serratia marcescens  
   C) Cladosporium  
   D) Aspergillus niger

82. Rind rot is being observed in which of the following product?
   A) Raw milk  
   B) Cheese  
   C) Evaporated milk  
   D) Butter
83. Flat sour spoilage of canned food is caused due to which of the following microorganism?
   A) Pseudomonas   B) Bacillus   C) Clostridium   D) Serratia

84. Sulphur stink in cane sugar is due to which of the following microorganisms?
   A) Pseudomonas fluorescence   B) Alkaligens viscolacents
   C) Claviceps pupurea   D) Clostridium nigrificans

85. “C” enamel cans are used for
   A) Low acidic foods   B) Medium acidic foods
   C) High acidic foods   D) Non acidic foods

86. Fruit squash have TSS of
   A) 12%   B) 25%   C) 30%   D) 40%

87. Smoking is used for the preservation of which of the following?
   A) Meat   B) Cereals   C) Eggs   D) Pulses

88. Renin is which of the following?
   A) Protease   B) Amylase   C) Lipase   D) Pectinase

89. Dextrin and starch is obtained from maize by which of the following method?
   A) Dry milling   B) Wet milling
   C) Distillation   D) Solvent extraction

90. Groundnut is the source of which of the following mycotoxins?
   A) Aflatoxins   B) BOAA   C) Citrinin   D) Penicillium

91. Clear juice is known as
   A) Squash   B) Nectar   C) Gin   D) Cordial

92. The purpose of blanching is to destroy which of the following?
   A) Enzymes   B) Microbes
   C) Pathogens   D) Antinutritional factor
93. Curcumin is present in which of the following?
   A) Beet root  B) Turmeric  C) Chilly  D) Pineapple

94. Magnetron is present in which of the following instrument?
   A) Microwave  B) Autoclave  C) Bioreactor  D) Plate heat exchanger

95. Colour of egg yolk is due to which of the following?
   A) Xanthophylls  B) Curcumin  C) Sunset yellow  D) B-carotene

96. Enzymatic browning is due to which of the following enzymes?
   A) Polyphenol oxidase  B) Protease  C) Pectinase  D) Papain

97. pH of fresh buffalo milk is which of the following?
   A) 3.8  B) 6.7  C) 4.5  D) 5.9

98. MSG is used for which of the following?
   A) Cleaning agent  B) Anticaking agent  C) Flavour enhancer  D) Artificial sweetener

99. Casein is present in which form in the milk?
   A) Colloidal form  B) Dispersed form  C) Emulsion form  D) All of the above

100. Saurkraut is which of the following product?
    A) Fermented raddish  B) Fermented cabbage  C) Fermented carrot  D) Fermented spinach
SPACE FOR ROUGH WORK