



## 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.

2. A speech delivered without preparation.

- 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) 1<sup>st</sup> April 1935                      B) 21<sup>st</sup> April 1943                      C) 1<sup>st</sup> April 1940                      D) 15<sup>th</sup> 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.  
1. Nation      2. Village      3. City      4. District      5. State  
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)  $\alpha$ -amylase      B)  $\beta$ -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  $\omega$ -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) Ovomuroid              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. Lacquering 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) Vaccination
  - 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









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 fluorescens                      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) Alkaligenes 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





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**SPACE FOR ROUGH WORK**