

Madurai Kamaraj University, Madurai

M.Phil./ Ph.D. Entrance Test

Subject : FOODS AND NUTRITION

- 1) Energy yielding, Body building and protective foods are
 - a) Functional food groups
 - b) Processed Foods
 - c) Supplementary Foods
 - d) Weaning Foods

- 2) Fruits and vegetables are rich in
 - a) Vitamins & minerals
 - b) Glycogen
 - c) Fats
 - d) Oils

- 3) The least amount of food recommended by food pyramid is
 - a) Vegetables
 - b) Fruits
 - c) Fats
 - d) Fibre

- 4) Dextrinization occurs when heat is applied to
 - a) Fats
 - b) Protein foods
 - c) Moist starch
 - d) Dry starch

- 5) The nutrients that is synthesised during Germination is
 - a) Iron
 - b) Iodine
 - c) Vitamin B₁₂
 - d) Vitamin C

- 6) Pectin is present in
- a) Raw fruits
 - b) Raw vegetable
 - c) Optimum ripe fruits
 - d) Over ripe fruits
- 7) Megaloblastic Anaemia is caused due to the deficiency of
- a) Niacin
 - b) Calcium
 - c) Iron
 - d) Folic acid
- 8) The Nutrients that gets washed away by washing raw rice is
- a) Carotene
 - b) Retinol
 - c) Thiamine
 - d) Citric acid
- 9) Pulses are rich in amino acids
- a) Methionine
 - b) Tryptophan
 - c) Leucine
 - d) Histidine
- 10) The end product of glycolysis is
- a) Citric acid
 - b) Malic acid
 - c) Pyruvic acid
 - d) Carbonic acid
- 11) Cholesterol is a
- a) Conjugated protein
 - b) Steroid
 - c) Phospholipid

- d) Unsaturated fatty acid
- 12) The degradation product of purine is
- a) Ammonia
 - b) β alanine
 - c) Urea
 - d) Uric acid
- 13) Selenium cell is a
- a) Monochromator
 - b) Detector
 - c) Light source
 - d) None of the above
- 14) ----- is a unit of genetic information
- a) DNA
 - b) RNA
 - c) m RNA
 - d) r RNA
- 15) ----- is a neutral fat
- a) Phospholipids
 - b) Lipoprotein
 - c) Triglycerides
 - d) Cholesterol
- 16) The sulfur containing amino acid is
- a) Glycine
 - b) Phenylalanine
 - c) Histidine
 - d) Methionine
- 17) The breakdown product of haemoglobin in the body is
- a) Haemin
 - b) Bilirubin

- c) Haem
- d) None

18) The class of antibody involved in allergy is

- a) IgG
- b) IgE
- c) IgM
- d) None

19) The functional enzyme is referred to as

- a) Apo enzymes
- b) Co enzymes
- c) Holo enzyme
- d) None

20) The Total water content in the human body is

- a) 35 ltr
- b) 42 ltr
- c) 52ltr
- d) 60 ltr

21) The main site of detoxification in the body is

- a) Kidney
- b) Liver
- c) Lungs
- d) None

22) The Normal pH of arterial blood is

- a) 7.4
- b) 7.35
- c) 8.0
- d) none

23) Random sampling is also referred to as

- a) Probability sampling
- b) Stochastic sampling
- c) Range sampling
- d) None of these

24) The data used from some other sources called

- a) Primary data
- b) Secondary data
- c) Both (a) & (b)

- d) None of these
- 25) Diagram and graphs are tools of
- a) Collection of data
 - b) Analysis
 - c) Presentation
 - d) None of these
- 26) Which of the following should be avoided as methods of presenting data?
- a) Spheres
 - b) Bars
 - c) Pie diagram
 - d) None of these
- 27) The method of determining mode is
- a) $\text{Mode} = 3 \text{ Median} - 2 \text{ Mean}$
 - b) $\text{Mode} = 2 \text{ Median} - 2 \text{ Mean}$
 - c) $\text{Mode} = 2 \text{ Median} + 3 \text{ Mean}$
 - d) None of these
- 28) Typhoid is caused by
- a) Clostridium
 - b) S.Typhi
 - c) B. cereus
 - d) Streptococcus
- 29) Anorexia Nervosa is characterized by
- a) Fever
 - b) Vomiting
 - c) Starvation
 - d) Binge eating
- 30) Jaundice is caused by
- a) Hepatitis A virus
 - b) V.cholorae

- c) Salmonella
- d) Clostridium

31) Major renal stones caused by

- a) Non veg foods
- b) Milk
- c) Organ Meats
- d) All of the above

32) Osteoporosis mainly affects

- a) Men
- b) Women
- c) Children
- d) Adult

33) Present day food quality regulation in India is governed by

- a) ISI b) BIS c) FDA d) FPO

34) The protein content of Rice grain is present in the

- a) Husk
- b) Bran
- c) Aleurone
- d) Endosperm

35) ----- is the both an oil and protein seed

- a) Sunflower
- b) Soybean
- c) Groundnut
- d) Legume

36) Papain is chiefly used as

- a) Protein source
- b) Enzyme source
- c) Meat tenderizer

d) Toxin

37) Perishable foods have

- a) Long shelf life
- b) Brief shelf life
- c) High acidity
- d) Resistance to decay

38) ----- is a preventive measure controlling quality of foods

- a) PFA
- b) FPO
- c) FSSAI
- d) HACCP

39) Consumer protection act was enacted in

- a) 1986
- b) 1985
- c) 1984
- d) 1983

40) SNF content in standardized milk is

- a) 5.5%
- b) 6.5%
- c) 4.5%
- d) 8.5%

41) Which of the following can cause chemical hazards in foods from food handlers?

- a) Hair
- b) Dust
- c) live insects
- d) Perfume

42) Abuse of alcohol leads to

- a) Cirrhosis of liver
- b) Obesity
- c) Kidney failure
- d) None of the above

43) Vitamin C increases the absorption of

- a) Iodine
- b) Copper
- c) Iron
- d) Zinc

44) Megaloblastic anaemia is seen in the deficiency of

- a) Vit B12
- b) Calcium

- c) Zinc
 - d) Copper
- 45) The small excised portion that are used to produce high mass of cells is
- a) Callus
 - b) Explants
 - c) Tissue
 - d) Totipotent
- 46) Penicillin is produced as a ----- in a fermentation process
- a) Secondary metabolite
 - b) Primary metabolite
 - c) Waste product
 - d) Cell mass
- 47) ----- is not a fermented product
- a) Coffee
 - b) Idly
 - c) Dosai
 - d) Rice
- 48) ----- is referred to as vegetable meat
- a) SCP
 - b) Curd
 - c) Soybean
 - d) Mushroom
- 49) A multicelled round mass formed during fertilization is
- a) Zygote
 - b) Blastocyst
 - c) Morula
 - d) Embryo
- 50) Folic acid requirement during pregnancy is
- a) 300 μg
 - b) 400 μg
 - c) 100 μg
 - d) 200 μg

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ANSWERS KEY:

1. a) Functional food groups
2. a) Vitamins & minerals
3. c) Fats
4. d) Dry starch
5. d) Vitamin C
6. c) optimum ripe fruits
7. d) Folic acid
8. c) Thiamine
9. c) Leucine
10. c) Pyruvic acid
11. b) steroid
12. d) Uric acid
13. b) detector
14. a) DNA
15. d) Cholesterol
16. d) Methionine
17. b) Bilirubin
18. b) Ig E
19. b) Co enzyme
20. b) 42 ltr
21. b) Liver
22. a) 7.4
23. a) Probability sampling
24. b) Secondary data
25. c)presentation
26. a) spheres
27. a) $\text{Mode} = 3\text{median} - 2\text{mean}$
28. b) S.Typhi

29. d) Binge Eating
30. a) Hepatitis A virus
31. d) all of the above
32. b) women
33. a) ISI
34. d) Endosperm
35. c) Groundnut
36. c) Meat tenderizer
37. c) High acidity
38. d) HACCP
39. a) 1986
40. d) 8.5%
41. a) hair
42. a) cirrhosis of liver
43. c) iron
44. a) Protein
45. a) callus
46. a) secondary metabolite
47. d) rice
48. c) soybean
49. c) morula
50. b) 400µg