

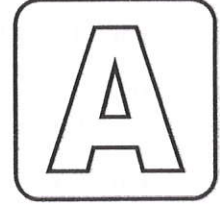
DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Test Booklet No. :

00021

TEST BOOKLET  
Paper—III  
( HOME SCIENCE )

Series



Time Allowed : 2 Hours

Full Marks : 100

Read the following instructions carefully before you begin to answer the questions :

1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Series are to be written legibly and correctly in the space provided on the Answer-Sheet with Black/Blue ballpoint pen.
2. Answer-Sheet without marking Series as mentioned above in the space provided for in the Answer-Sheet shall not be evaluated.
3. All questions carry equal marks.

**The Answer-Sheet should be submitted to the Invigilator.**

*Directions for giving the answers :* Directions for answering questions have already been issued to the respective candidates in the 'Instructions for marking in the OMR Answer-Sheet' along with the Admit Card and Specimen Copy of the OMR Answer-Sheet.

*Example :*

Suppose the following question is asked :

The capital of Bangladesh is

- (A) Chennai
- (B) London
- (C) Dhaka
- (D) Dhubri

You will have four alternatives in the Answer-Sheet for your response corresponding to each question of the Test Booklet as below :



In the above illustration, if your chosen response is alternative (C), i.e., Dhaka, then the same should be marked on the Answer-Sheet by blackening the relevant circle with a Black/Blue ballpoint pen only as below :



**The example shown above is the only correct method of answering.**

4. Use of eraser, blade, chemical whitener fluid to rectify any response is prohibited.
5. Please ensure that the Test Booklet has the required number of pages (16) and 100 questions immediately after opening the Booklet. In case of any discrepancy, please report the same to the Invigilator.
6. No candidate shall be admitted to the Examination Hall/Room 20 minutes after the commencement of the examination.
7. No candidate shall leave the Examination Hall/Room without prior permission of the Supervisor/Invigilator. No candidate shall be permitted to hand over his/her Answer-Sheet and leave the Examination Hall/Room before expiry of the full time allotted for each paper.
8. No Mobile Phone, Electronic Communication Device, etc., are allowed to be carried inside the Examination Hall/Room by the candidates. Any Mobile Phone, Electronic Communication Device, etc., found in possession of the candidate inside the Examination Hall/Room, even if on off mode, shall be liable for confiscation.
9. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected papers permitted by the Commission.
10. Complete silence must be observed in the Examination Hall/Room. No candidate shall copy from the paper of any other candidate, or permit his/her own paper to be copied, or give, or attempt to give, or obtain, or attempt to obtain irregular assistance of any kind.
11. This Test Booklet can be carried with you after answering the questions in the prescribed Answer-Sheet.
12. Noncompliance with any of the above instructions will render a candidate liable to penalty as may be deemed fit.
13. No rough work is to be done on the OMR Answer-Sheet. You can do the rough work on the space provided in the Test Booklet.

**N.B. : There will be negative marking @ 0.25 per 1 (one) mark against each wrong answer.**

/14-A

[ No. of Questions : 100 ]

SEAL

1. Which of the following is the main function of food in our body?
  - (A) To produce heat and energy
  - (B) To build tissues and muscles
  - (C) To protect from deficiency diseases
  - (D) To regulate the internal functions of the body
  
2. The ability to control the muscles of the body by a child is termed as
  - (A) physical development
  - (B) motor development
  - (C) social development
  - (D) emotional development
  
3. Which of the following services is/are rendered by ICDS?
  - (A) Health checkup and pre-school education
  - (B) Immunization and supplementary nutrition
  - (C) Growth monitoring
  - (D) All of the above
  
4. Work simplification is the technique of completing a task by using
  - (A) less time
  - (B) less energy
  - (C) less amount of time and energy
  - (D) costly appliances
  
5. Which of the following is correct regarding pasteurization of food?
  - (A) Making food tastier and easily digestible
  - (B) Improving the colour of the food
  - (C) Improving the texture of the food
  - (D) Killing the harmful bacteria present in food by heating below 100 °C
  
6. Rayon is a/an
  - (A) regenerated fibre
  - (B) mineral fibre
  - (C) artificial fibre
  - (D) metallic fibre
  
7. Which of the following nutrients is/are destroyed when cooking soda is used?
  - (A) B vitamins
  - (B) Protein
  - (C) Fats
  - (D) Carbohydrates
  
8. The simplest form of carbohydrate is known as which of the following?
  - (A) Sucrose
  - (B) Lactose
  - (C) Glucose
  - (D) Maltose

9. The transfer of heat through solid, gas or liquid medium without movement of the molecules of the substances is known as
- (A) conduction
  - (B) convection
  - (C) radiation
  - (D) None of the above
10. The amniotic fluid during prenatal stage is important because
- (A) it protects the developing baby
  - (B) it allows easy foetal movement
  - (C) it promotes muscular and skeletal growth
  - (D) All of the above
11. The Integrated Child Development Services (ICDS) in India was launched in which of the following years?
- (A) 1975
  - (B) 1976
  - (C) 1977
  - (D) 1978
12. Which of the following is the principle of design?
- (A) Harmony
  - (B) Balance
  - (C) Proportion
  - (D) All of the above
13. Which of the following is the green colour?
- (A) Intermediate colour
  - (B) Secondary colour
  - (C) Primary colour
  - (D) Tertiary colour
14. The process of breakdown of intermolecular bonds of starch molecules in the presence of water and heat resulting in dissolving of starch granules is known as
- (A) caramelization
  - (B) crystallization
  - (C) gelatinization
  - (D) dextrinization
15. Which of the following helps in phatic communication?
- (A) To defuse silence
  - (B) To ease conversation
  - (C) To manage interpersonal relationship
  - (D) All of the above
16. Bajra and ragi are generally called as
- (A) cereals
  - (B) millets
  - (C) legumes
  - (D) vegetables



17. Which of the following is the primary goal of communication?
- (A) To create barriers
  - (B) To create noises
  - (C) To effect a change
  - (D) None of the above
18. Anthropometric measurements are used for assessing which of the following?
- (A) Socioeconomic status
  - (B) Psychological status
  - (C) Nutritional status
  - (D) Physiological status
19. Which of the following is correct regarding cotton fibres?
- (A) Good conductor of heat
  - (B) Strength decreases when wet
  - (C) Elastic in nature and can be stretched
  - (D) Low water absorbing capacity
20. For every degree Fahrenheit rise in body temperature, the basal metabolic rate (BMR) increases by
- (A) 7%
  - (B) 10%
  - (C) 12%
  - (D) 14%
21. The period of neonate is from
- (A) first two weeks of life after cutting of umbilical cord
  - (B) first four weeks of life after birth
  - (C) first two months of child's life
  - (D) first six months of child's life
22. Which of the following is/are example(s) of human resource?
- (A) Money
  - (B) Property
  - (C) Skills and abilities
  - (D) Community facilities
23. The symptoms of pellagra are manifested as
- (A) dermatitis
  - (B) diarrhoea
  - (C) dementia
  - (D) All of the above
24. When one primary colour is used with its two adjoining colours, then it is called as
- (A) complementary colour scheme
  - (B) analogous colour scheme
  - (C) monochromatic colour scheme
  - (D) triad colour scheme

25. In which of the following cities, the National Institute of Nutrition is located?

- (A) Delhi
- (B) Mumbai
- (C) Hyderabad
- (D) Chennai

26. Which of the following is **not** a tool of mass communication?

- (A) Newspaper
- (B) Television
- (C) Film
- (D) Telephone

27. Lathyrism is a disease caused by toxins present in

- (A) khesari dal
- (B) barley
- (C) red gram dal
- (D) maize

28. The ideal pupil-teacher ratio (PTR) for pre-school education in India is

- (A) 15 : 1
- (B) 20 : 1
- (C) 25 : 1
- (D) 30 : 1

29. Which of the following is the ideal water content of an adult human body?

- (A) 50%–60%
- (B) 60%–70%
- (C) 70%–80%
- (D) More than 80%

30. Which of the following statements is correct referring to the definition of 'health' according to WHO?

- (A) Physical well-being of the person
- (B) Mental well-being of the person
- (C) Physical and mental well-being of the person
- (D) Physical, mental and social well-being of the person

31. Which of the following is a synthetic fibre?

- (A) Polyester
- (B) Viscose rayon
- (C) Flax
- (D) Wool

32. The main elements that form the molecule of carbohydrates are

- (A) carbon and oxygen
- (B) oxygen, carbon and hydrogen
- (C) carbon, nitrogen and oxygen
- (D) None of the above

33. Which of the following is correct for cellulose?
- (A) Oligosaccharide
  - (B) Monosaccharide
  - (C) Polysaccharide
  - (D) None of the above
34. 'Identity crisis' is a characteristic of
- (A) early childhood stage
  - (B) adolescence stage
  - (C) adulthood
  - (D) middle age
35. Which of the following micro-organisms causes tuberculosis?
- (A) Virus
  - (B) Bacteria
  - (C) Fungus
  - (D) Parasitic worm
36. Jute fibre is also known as
- (A) silver fibre
  - (B) copper fibre
  - (C) golden fibre
  - (D) aluminium fibre
37. First dose of polio vaccine is given to a child
- (A) at the time of birth
  - (B) one month after birth
  - (C) two months after birth
  - (D) three months after birth
38. Which of the following factors affects language development of a child?
- (A) Intelligence
  - (B) Gender difference
  - (C) Health of the child
  - (D) All of the above
39. Which of the following fibres is known as the queen of textile fibre?
- (A) Cotton
  - (B) Wool
  - (C) Linen
  - (D) Silk
40. Non-verbal communication includes
- (A) written message and letter
  - (B) facial expression
  - (C) chatting in a video meet
  - (D) texting in a digital media

41. Pick up the correct year from the following regarding introduction of the Prevention of Food Adulteration Act in India.

- (A) 1954
- (B) 1958
- (C) 1961
- (D) 1969

42. The ability to solve problem during childhood is a sign of which of the following?

- (A) Social development
- (B) Language development
- (C) Emotional development
- (D) Cognitive development

43. Cretinism occurs due to the deficiency of which of the following nutrients?

- (A) Protein
- (B) Fat
- (C) Iodine
- (D) Potassium

44. Fortification of food is related to which of the following?

- (A) Decreases the nutrient content
- (B) Increases the nutrient content
- (C) Decreases the shelf life of food
- (D) Increases the shelf life of food

45. Which of the following is correct regarding exclusive breastfeeding as recommended by WHO?

- (A) First 3 months of life
- (B) First 4 months of life
- (C) First 6 months of life
- (D) First 8 months of life

46. Match the following deficiency diseases (List—I) with their corresponding nutrients (List—II) :

*List—I*

*List—II*

- |             |             |
|-------------|-------------|
| a. Goitre   | 1. Iron     |
| b. Anaemia  | 2. Iodine   |
| c. Rickets  | 3. Thiamine |
| d. Beriberi | 4. Calcium  |

Select the correct answer using the codes given below.

- (A) a    b    c    d  
      1    2    4    3
- (B) a    b    c    d  
      2    1    4    3
- (C) a    b    c    d  
      3    1    2    4
- (D) a    b    c    d  
      1    3    4    2

47. Which of the following foods is produced by fermentation?

- (A) Cheese
- (B) Curd
- (C) Bread
- (D) All of the above

48. Glycogen is a polysaccharide which is stored in
- (A) plant cells
  - (B) animal muscles and liver
  - (C) algae
  - (D) None of the above
49. The early childhood period is known as which of the following?
- (A) Troublesome age
  - (B) Pre-school age
  - (C) Questioning age
  - (D) All of the above
50. Which of the following activities comes under fine motor development?
- (A) Standing with support
  - (B) Crawling
  - (C) Holding an object
  - (D) Walking
51. In PERT, a project management tool, E stands for which of the following?
- (A) Effective
  - (B) Efficacy
  - (C) Evaluation
  - (D) Eradication
52. Formative evaluation is done
- (A) at the end of the programme
  - (B) at the beginning of the programme
  - (C) at the middle of the programme
  - (D) time-to-time during the programme
53. Which of the following instruments is used for measuring relative humidity?
- (A) Shirley moisture meter
  - (B) Hygrometer
  - (C) Hart moisture meter
  - (D) None of the above
54. Wool fabric treated with heat, moisture and pressure to enhance its sheen is known as
- (A) lustering
  - (B) felting
  - (C) breathing
  - (D) glazing
55. Pochampally, a village famous for its intricately designed fabrics, is a part of which of the following States?
- (A) Maharashtra
  - (B) Telangana
  - (C) Tamil Nadu
  - (D) Karnataka



56. Which of the following glands releases the hormone necessary for human growth?

- (A) Thyroid gland
- (B) Pituitary gland
- (C) Adrenaline gland
- (D) None of the above

57. The National Policy for Empowerment of Women started in the year

- (A) 2000
- (B) 2001
- (C) 2009
- (D) 2010

58. Choose the correct formula for computing Intelligence Quotient (IQ) from the following.

- (A)  $IQ = MA/CA \times 100$
- (B)  $IQ = CA/MA \times 100$
- (C)  $IQ = MA/CA$
- (D)  $IQ = CA/MA$

59. Raffinose is a trisaccharide made up of which of the following?

- (A) Galactose, glucose and fructose
- (B) Mannose, glucose and galactose
- (C) Mannose, galactose and fructose
- (D) Glucose, fructose and sucrose

60. Which of the following antioxidants is naturally present in oil?

- (A) Butylated hydroxyanisole
- (B) Tocopherol
- (C) Ascorbic acid
- (D) Beta-carotene

61. Which of the following is **not** a fat-soluble vitamin?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin E

62. A 5-year-old boy who is consuming less than the required amount of dietary intake of protein will be prone to which of the following deficiency diseases?

- (A) Marasmus
- (B) Kwashiorkor
- (C) Calorie-deficiency malnutrition
- (D) Rickets

63. Down syndrome is a chromosomal abnormality in which there is an extra chromosome on the

- (A) 19th position
- (B) 20th position
- (C) 21st position
- (D) 22nd position

64. The National Early Childhood Care and Education System came into force in the year
- (A) 2010
  - (B) 2012
  - (C) 2013
  - (D) 2014
65. Triglycerides which are solid at room temperature are often referred to as
- (A) fats
  - (B) oils
  - (C) steroids
  - (D) waxes
66. Which of the following is the full form of PRA?
- (A) Personal Rapid Appraisal
  - (B) Participatory Rapid Appraisal
  - (C) Participatory Rural Appraisal
  - (D) Personal Rural Appraisal
67. Amylase present in saliva helps in the breakdown of carbohydrates to which of the following?
- (A) Fatty acids
  - (B) Polypeptides
  - (C) Amino acids
  - (D) Simple sugars
68. The ability of different fabrics to fall under its own weight into wavy folds of different natures is called
- (A) texture
  - (B) feel
  - (C) fall
  - (D) drape
69. The first social smile in a baby usually appears
- (A) soon after birth
  - (B) by the end of second month
  - (C) after 3 months of age
  - (D) after 6 months of age
70. Which of the following is correct in respect of the increase in number of OH group attached to the anthocyanin?
- (A) Increase in reddish colour
  - (B) Decrease in reddish colour
  - (C) Increase in blue colour
  - (D) Increase in both reddish and blue colours
71. Choose the correct word from the following in respect of rhythm.
- (A) Dominance
  - (B) Repetition
  - (C) Dullness
  - (D) Brightness

72. Which of the following is correct for optimistic time in project management?

- (A) Minimum possible time required to accomplish an activity
- (B) Most suitable time for the project manager
- (C) The time allotted by the project manager to project staff
- (D) The best estimate of the time required to accomplish an activity

73. Which of the following is **not** a motivational factor of management?

- (A) Value
- (B) Goal
- (C) Decision
- (D) Standard

74. Choose the correct term from the following in respect of short fibres measured in inches or centimetres.

- (A) Filament
- (B) Staple
- (C) Coarse
- (D) Synthetic

75. An idea perceived as new by an individual is known as

- (A) diffusion
- (B) adoption
- (C) communication
- (D) innovation

76. Which of the following is correct in respect of democratic leadership?

- (A) Laissez-faire leadership
- (B) Transformational leadership
- (C) Participative leadership
- (D) Delegative leadership

77. The stages of child development theorized by Freud are referred to as

- (A) psychosocial stages
- (B) psychosexual stages
- (C) social-emotional stages
- (D) None of the above

78. Which of the following conditions occurs due to lack of oxygen in blood?

- (A) Cyanosis
- (B) Hypoxemia
- (C) Anorexia
- (D) Insomnia

79. Insulin dependent diabetes is known as which of the following?

- (A) Type I diabetes
- (B) Type II diabetes
- (C) Insulin resistance
- (D) Gestational diabetes

80. Which of the following scales/tests is used to assess the newborn baby's physical condition immediately after birth?
- (A) Apgar scale
  - (B) Bayley test
  - (C) Stanford-Binet test
  - (D) Wechsler scale
81. Choose the correct term in respect of measuring energy value of food.
- (A) Calorimetry
  - (B) Joulimetry
  - (C) Energymetry
  - (D) None of the above
82. Which of the following vitamins causes fragile capillary walls, easy bleeding gums, loosening of teeth?
- (A) Vitamin A
  - (B) Vitamin C
  - (C) Vitamin D
  - (D) Vitamin K
83. Which of the following is marine derived omega-3 fatty acid?
- (A) DHA
  - (B) ALA
  - (C) Linoleic acid
  - (D) All of the above
84. Choose the correct term from the following in respect of puppet show.
- (A) Visual aids
  - (B) Audio-visual aids
  - (C) Audio aids
  - (D) Informal aids
85. Which of the following is the first step in the managerial process?
- (A) Organizing
  - (B) Planning
  - (C) Directing
  - (D) Evaluating
86. Which of the following is correct for repetition of specific design elements throughout a fashion collection?
- (A) Haute couture
  - (B) Seam lines
  - (C) Fashion cycle
  - (D) Design motif
87. Which of the following diets is recommended for a hypertensive patient?
- (A) Brat diet
  - (B) Dash diet
  - (C) Low-protein diet
  - (D) High-fat diet



88. Increased susceptibility to infection is a clinical impact of which of the following?
- (A) Neurological effects
  - (B) Endocrine system
  - (C) Immune system
  - (D) Gastrointestinal system
89. The problem with acquisition and use of language which may show up as difficulty with reading, writing and reasoning is known as
- (A) a slow learner
  - (B) communication disorder
  - (C) mental retardation
  - (D) learning disability
90. First stage of innovation-decision process is
- (A) persuasion
  - (B) decision
  - (C) knowledge
  - (D) implementation
91. Dry and scaly skin disease in children is caused due to deficiency of which of the following nutrients?
- (A) Vitamin D
  - (B) Essential fatty acids
  - (C) Essential amino acids
  - (D) Magnesium
92. Three-tier system of Panchayati Raj was recommended by which of the following?
- (A) Balwant Rai Mehta Committee
  - (B) Kothari Commission
  - (C) Ashok Mehta Committee
  - (D) Singhal Committee
93. SMCRE model of communication was developed by
- (A) Leagans
  - (B) David Berlo
  - (C) Aristotle
  - (D) Rogers and Shoemaker
94. Which of the following is correct in respect of accumulation of ketone bodies in blood?
- (A) Ketoacidosis
  - (B) Crohn's disease
  - (C) Stephen's disease
  - (D) Alkaptonuria

95. Which of the following is used to transfer ink onto a substrate via a mesh in printing?

- (A) Roller
- (B) Stencil
- (C) Screen
- (D) Block

96. A just distribution of benefits and rewards between men and women is known as

- (A) gender bias
- (B) gender equity
- (C) gender awareness
- (D) gender equality

97. Which of the following minerals is essential for preventing neural tube defects?

- (A) Iron
- (B) Folate
- (C) Protein
- (D) Vitamin C

98. Amount of fluid accumulated in ankle, feet and leg tissues is termed as which of the following?

- (A) Edema
- (B) Swelling
- (C) Plague
- (D) All of the above

99. Cephalocaudal development proceeds from which of the following?

- (A) Head to foot
- (B) Center to periphery
- (C) Foot to head
- (D) Periphery to center

100. Which of the following is bread mold?

- (A) *Penicillium notatum*
- (B) *Aspergillus niger*
- (C) *Rhizopus stolonifer*
- (D) None of the above

**SPACE FOR ROUGH WORK**

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