

COMMON P. G. ENTRANCE TEST – 2024 (CPET-2024)

Test Booklet No. : 00011

Subject Code : 17

Hall Ticket No. :

Subject: HOME SCIENCE

TEST BOOKLET

Time Allowed : 60 Minutes

Full Marks : 80

: INSTRUCTIONS TO CANDIDATES :

1. The Test Booklet contains **15** pages including the cover page and **80** (Question Nos. 1 to 80) multiple choice questions.
2. DO NOT break open the seal of the Test Booklet until the invigilator instructs to do so.
3. The candidates must check discrepancy, if any (like up-printed or torn or missing pages or missing questions) in the Test Booklet immediately after breaking the seal of the Test Booklet. If detected, the invigilator may be requested to replace the same.
4. Candidates are required to fill up and darken the **Hall Ticket No., Test Booklet Serial No.** and **OMR Answer Sheet Serial No.** in attendance sheet carefully. Wrongly filled in OMR Answer Sheet is liable for rejection.
5. Each question has four choices / answers marked (A), (B), (C), (D). Candidate has to select the most appropriate choice / answer to each question and darken the oval completely against the question number provided in the OMR Answer Sheet.
6. Indicate only one choice / answer from the options provided by darkening the appropriate oval in the OMR Answer Sheet. More than one response to a question shall be treated as a wrong answer.
7. Use only **Black Ball Point Pen** for darkening the oval for answering.
8. All the questions are compulsory and they carry equal marks. The total marks scored by a candidate depends on the number of correct choices / answers darkened in the OMR Answer Sheet. There will be no negative marking for wrong answers.
9. No candidate shall be allowed to leave the Examination Hall / Room till all OMR Answer Sheets have been collected by the invigilator.
10. On completion of the entrance test, the original OMR Answer Sheet be handed over to the invigilator. Candidates are allowed to take the second copy of the OMR Answer Sheet along with the used Test Booklet for reference.
11. Candidates are not allowed to carry any personal belongings including electronic devices such as scientific calculator, cell phones, headphones, earbuds, or any other type of devices that allow communication of any kind inside the Examination Room / Hall.
12. The candidates are advised not to scribble or make any mark on the OMR Answer Sheet except marking the answers at the appropriate places and filling up the details required. Rough work, if any, may be done in the blank sheet(s) provided at the end of the Test Booklet.
13. Any malpractice / use of unfair means will lead to your disqualification from the entrance test / admission process and may also lead to appropriate legal action as deemed fit.

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

GO – 15/11

(Turn over)

00011

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Hall Ticket No.

Subject Code: 17

Subject: HOME SCIENCE

TEST BOOKLET

Full Marks: 80

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

1. Which of the following functions of food rated to providing energy to body is associated ?

| | |
|--------------|-------------------|
| (A) Physical | (B) Physiological |
| (C) Social | (D) Psychological |
2. Micro-nutrient rich food is known as :

| | |
|------------------------|------------------------|
| (A) Energy giving food | (B) Body building food |
| (C) Protective food | (D) Regulatory food |
3. The building block of protein is :

| | |
|----------------|----------------|
| (A) Aldehyde | (B) Ketone |
| (C) Amino acid | (D) Pepsinogen |
4. The acidic group in an amino acid is :

| | |
|------------------------------------|--------------------------------------|
| (A) Amino group (NH_2) | (B) Carboxyl group (COOH) |
| (C) Hydroxyl group (OH) | (D) Aldehyde group (CHO) |
5. The amino acid that can be synthesized in the body is :

| | |
|------------------------------|-------------------------------|
| (A) Essential Amino acid | (B) Semi-Essential Amino acid |
| (C) Non-Essential Amino acid | (D) Indispensable Amino acid |
6. Albumins and globulins are known as :

| | |
|--------------------|------------------------|
| (A) Plasma protein | (B) Conjugated protein |
| (C) Derive protein | (D) Compound proteins |
7. Severe wasting of muscles is an important feature of :

| | |
|-----------------|--------------|
| (A) Kwashiorkor | (B) Marasmus |
| (C) Scurvy | (D) Rickets |
8. The milk sugar lactose is a :

| | |
|--------------------|--------------------|
| (A) Monosaccharide | (B) Disaccharide |
| (C) Trisaccharide | (D) Polysaccharide |

9. Omega-3 fatty acids are :
- (A) Saturated fatty acids
 - (B) Monounsaturated fatty acids
 - (C) Polyunsaturated fatty acids
 - (D) Di unsaturated fatty acids
10. During fasting, the BMR :
- (A) Lowers down
 - (B) Becomes faster
 - (C) Remains unchanged
 - (D) First increases and then decreases
11. The blood vessels that transport oxygenated blood from the heart to various parts of the body are known as :
- (A) Veins
 - (B) Arteries
 - (C) Nerves
 - (D) Lymphatic vessels
12. The pulmonary vein carries which type of blood from lungs to heart ?
- (A) Oxygenated blood
 - (B) Deoxygenated blood
 - (C) Both oxygenated and deoxygenated blood
 - (D) Lymph
13. The exchange of gases between blood and cells is known as :
- (A) Internal respiration
 - (B) External respiration
 - (C) Cellular respiration
 - (D) Breathing
14. The structural and functional unit of kidney is called as :
- (A) Neuron
 - (B) Nephron
 - (C) Glomerulus
 - (D) Bowman's capsule

15. A group of ductless glands that regulate body processes by secreting chemical substances called hormones is called as :
- (A) Digestive system (B) Circulatory system
(C) Exocrine system (D) Endocrine system
16. Vitamin B₁₂ is also known as :
- (A) Thiamine (B) Riboflavin
(C) Cyanocobalamin (D) Niacin
17. Baking is coming under which type of cooking method ?
- (A) Moist heat method (B) Dry heat method
(C) Combination method (D) Pressure cooking method
18. The process of combining different foods so that they complement and improves the nutrient content is known as :
- (A) Supplementation (B) Combination
(C) Mixing (D) Fortification
19. What type of fibre is Spandex ?
- (A) Natural fibre (B) Plant fibre
(C) Animal fibre (D) Synthetic fibre
20. The ability of fibres to cling together during spinning is called as :
- (A) Elasticity (B) Flexibility
(C) Cohesiveness (D) Felt ability
21. The gum present in silk fibre is :
- (A) Latex (B) Cordia gum
(C) Tara gum (D) Sericin

22. The process that alters the surface of the fabric by providing a three-dimensional effect on selected areas is :
- (A) Calendaring (B) Glazing
(C) Embossing (D) Beetling
23. The chemical that is used when dyes do not have affinity towards fiber is :
- (A) Basic dye (B) Acid dye
(C) Mordant (D) Moderating dye
24. The process in which the fabric is held on rollers at full width and passed through dye bath is :
- (A) Jig dyeing (B) Warp-beam dyeing
(C) Package dyeing (D) Dip dyeing
25. Sepia brown colour is obtained from :
- (A) Cat fish (B) Cuttle fish
(C) Dog fish (D) Gold fish
26. The process of dyeing in which melted wax is used as a resist on fabric is :
- (A) Tie and Dye (B) Dip dyeing
(C) Wax dyeing (D) Batik dyeing
27. The stage of human development from conception to birth is :
- (A) Perinatal stage (B) Prenatal stage
(C) Infancy (D) Childhood
28. The sequence which means that development spreads over the body from head to foot is :
- (A) Cephalo-caudal (B) Proximodistal
(C) General to specific (D) Continuous

29. The first cell of the life is :
- (A) Sperm (B) Ovum
(C) Zygote (D) Embryo
30. The period of prenatal development that occurs from two to eight weeks after conception is :
- (A) Period of ovum (B) Period of embryo
(C) Period of foetus (D) Gestational period
31. The birth process where the shoulder and arms emerge first instead of head is :
- (A) Breech presentation (B) Transverse presentation
(C) Longitudinal presentation (D) Vertical presentation
32. The type of body builds in which the children tend to be long and slender is :
- (A) Ectomorphic (B) Endomorphic
(C) Mesomorphic (D) Perimorphic
33. Control over scribbling of children is a :
- (A) Gross motor skill (B) Fine motor skill
(C) General motor skill (D) Specific motor skill
34. The type of leader in early childhood who shows little consideration for the wishes of others is a :
- (A) Tyrannical boss (B) Diplomat
(C) Democratic leader (D) Group leader
35. The family goal of educating the children is a :
- (A) Short-term goal (B) Long-term goal
(C) Means-end goal (D) Mid-term goal
36. The process of making selection among the alternatives is :
- (A) Planning (B) Executing
(C) Decision making (D) Evaluating

37. The effort which involves activities like bending, leaning, rising, turning, stooping is :
- (A) Visual effort (B) Torsal effort
(C) Mental effort (D) Pedal effort
38. What is accumulated in the muscles that causes physiological fatigue ?
- (A) Hydrochloric acid and CO_2 (B) Lactic acid and CO_2
(C) Nitric acid and CO_2 (D) Citric acid and CO_2
39. The hardness of water is due to the presence of :
- (A) Calcium and Magnesium salts (B) Sodium and Copper salts
(C) Sodium and Potassium salts (D) Copper and Magnesium salts
40. As per Engel's law of consumption as household income increases, the percentage of expenditure on which item decreases :
- (A) Food (B) Education
(C) Recreation (D) Clothing
41. The family budget where the income is more than the expenditure is a :
- (A) Deficit budget (B) Surplus budget
(C) Balanced budget (D) Negative budget
42. In extension education, the extension through circular letters come under :
- (A) Individual methods
(B) Group methods
(C) Mass methods
(D) Both individual and group methods
43. The extension method that teaches how to do a job involving skill is :
- (A) Lecture (B) Leaflet
(C) Method demonstration (D) Result demonstration

44. The panoramic view or the impression that the house creates on a person who views it from outside is called as :
- (A) Aspect (B) Prospect
(C) Roominess (D) Grouping
45. The principle of design that refers to a regular repetition of visual elements to establish a moving pattern is :
- (A) Balance (B) Emphasis
(C) Rhythm (D) Line
46. The speaker centric model of communication was given by :
- (A) Aristotle (B) Berlo
(C) Schramm (D) Leagan
47. The diagrammatic representation as a segmented circle that helps organize and show data as a percentage of a whole is a :
- (A) Bar graph (B) Line graph
(C) Pie chart (D) Histogram
48. The research related to some abstract ideas or theories which is generally used by philosophers or thinkers to develop new concept or to reorient existing one is :
- (A) Conceptual research (B) Empirical research
(C) Case study (D) Interview
49. Assessment of nutritional status through measurement of height, weight, skinfold thickness, circumferences is called :
- (A) Clinical assessment (B) Biochemical assessment
(C) Anthropometry (D) Para-clinical assessment

50. The full form of ICDS is :

- (A) International Child Development Scheme
- (B) Integrated Child Development Scheme
- (C) Intensive Child Development Scheme
- (D) Integrated Child Development Services

51. WHO was established in the year :

- (A) 1945
- (B) 1946
- (C) 1947
- (D) 1948

52. The headquarter of FAO is at :

- (A) Rome
- (B) France
- (C) London
- (D) Switzerland

53. ICMR-Regional Medical Research Centre in Odisha is at :

- (A) Cuttack
- (B) Bhubaneshwar
- (C) Sambalpur
- (D) Koraput

54. Beriberi is caused due to the deficiency of :

- (A) Thiamine
- (B) Riboflavin
- (C) Niacin
- (D) Pyridoxine

55. Antihemorrhagic Vitamin is :

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

56. The rhesus factor is a protein that may be present on the surface of :

- (A) Erythrocyte
- (B) Leucocyte
- (C) Thrombocyte
- (D) Monocyte

57. The first milk of mother fed to the new born is called :
- (A) Meconium (B) Colostrum
(C) Skim milk (D) Toned milk
58. A fungal infection that causes white lesions in child's mouth is :
- (A) Rash (B) Thrush
(C) Phrynoderma (D) Ulcer
59. Infant Mortality Rate is calculated from :
- (A) 100 live births (B) 1000 live births
(C) 10,000 live births (D) 1,00,000 live births
60. The complication of severe and persistent vomiting during pregnancy is :
- (A) Ectopic pregnancy (B) Congenital disorder
(C) Preeclampsia (D) Hyperemesis gravidarum
61. The satisfaction derived from the use of goods and services is :
- (A) Money income (B) Real income
(C) Psychic income (D) Goods income
62. Thermal conductivity of cotton fibre is :
- (A) Low (B) Medium
(C) High (D) Nil
63. Which fibre is known as the queen of fibres ?
- (A) Cotton (B) Silk
(C) Wool (D) Rayon
64. Merino wool is originated from :
- (A) India (B) Italy
(C) America (D) Spain

65. The finishing treatment of cotton with caustic alkaline solution to make it lustrous is :
(A) Calendaring (B) Mercerizing
(C) Glazing (D) Softening
66. The process in which the water insoluble impurities like natural fat and wax are removed from the fabric is known as :
(A) Blending (B) Scouring
(C) Garnetting (D) Carding
67. In extension teaching, the field trip is considered as :
(A) Individual method (B) Group method
(C) Personal method (D) Mass method
68. The process of communication where one communicates about the communication is :
(A) Personal communication (B) Group communication
(C) Mass communication (D) Meta communication
69. The process of changing the information into some form of logical and coded messages is known as :
(A) Ideation (B) Encoding
(C) Transmission (D) Decoding
70. In which stage an individual first knows about the innovation ?
(A) Awareness stage (B) Diffusion stage
(C) Adoption stage (D) Evaluation stage
71. How many types of adopter categories are there in adoption process ?
(A) Two (B) Three
(C) Four (D) Five

72. What is a social bond based on blood, marriage or adoption that joins individuals into families ?
- (A) Ethnicity (B) Religion
(C) Kinship (D) Class
73. Iodine is required to make :
- (A) Prolactin (B) Cortisol
(C) Thyroid (D) Estrogen
74. Which nutrient is absent in milk ?
- (A) Calcium (B) Iron
(C) Vitamin A (D) Vitamin C
75. Lack of carbohydrate can cause :
- (A) Osteomalacia (B) Keratomalacia
(C) Hypoglycaemia (D) Hyperlipidemia
76. The process of switching a baby's diet from breast milk to other food is known as :
- (A) Winning (B) Weaning
(C) Supplementing (D) Complementing
77. The second step of management process is :
- (A) Planning (B) Implementing
(C) Organizing (D) Controlling
78. The human gestational period is about :
- (A) 230 days (B) 250 days
(C) 260 days (D) 280 days

79. The connective link between the foetus and placenta is :

(A) Cervix

(B) Uterus

(C) Amniotic fluid

(D) Umbilical cord

80. In communication process, one who decodes the message is known as :

(A) Sender

(B) Receiver

(C) Communicator

(D) Medium



SPACE FOR ROUGH WORK

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SEAL