

Sr. No. 77

ENTRANCE TEST-2022

SCHOOL OF APPLIED SCIENCES AND TECHNOLOGY

HOME SCIENCE

Total Questions : 60
Time Allowed : 70 Minutes

Question Booklet Series A
Roll No. :

--	--	--	--	--	--

Instructions for Candidates :

1. Write your Entrance Test Roll Number in the space provided at the top of this page of Question Booklet and fill up the necessary information in the spaces provided on the OMR Answer Sheet.
2. OMR Answer Sheet has an Original Copy and a Candidate's Copy glued beneath it at the top. While making entries in the Original Copy, candidate should ensure that the two copies are aligned properly so that the entries made in the Original Copy against each item are exactly copied in the Candidate's Copy.
3. All entries in the OMR Answer Sheet, including answers to questions, are to be recorded in the Original Copy only.
4. Choose the correct / most appropriate response for each question among the options A, B, C and D and darken the circle of the appropriate response completely. The incomplete darkened circle is not correctly read by the OMR Scanner and no complaint to this effect shall be entertained.
5. Use only blue/black ball point pen to darken the circle of correct/most appropriate response. In no case gel/ink pen or pencil should be used.
6. Do not darken more than one circle of options for any question. A question with more than one darkened response shall be considered wrong.
7. There will be 'Negative Marking' for wrong answers. Each wrong answer will lead to the deduction of 0.25 marks from the total score of the candidate.
8. Only those candidates who would obtain positive score in Entrance Test Examination shall be eligible for admission.
9. Do not make any stray mark on the OMR sheet.
10. Calculators and mobiles shall not be permitted inside the examination hall.
11. Rough work, if any, should be done on the blank sheets provided with the question booklet.
12. OMR Answer Sheet must be handled carefully and it should not be folded or mutilated in which case it will not be evaluated.
13. Ensure that your OMR Answer Sheet has been signed by the Invigilator and the candidate himself/herself.
14. At the end of the examination, hand over the OMR Answer Sheet to the invigilator who will first tear off the original OMR sheet in presence of the Candidate and hand over the Candidate's Copy to the candidate.

SEAL

1. Communication is _____, wherein the information or message is transferred from one person to another.
- Impersonal
 - Interpersonal
 - Personal
 - Important
2. A _____ connects the sender to the receiver.
- Channel
 - Noise
 - Communication
 - Feedback
3. Most of us use _____ and _____ in addition to words when we speak.
- Words and gestures
 - Gestures and body language
 - Body language and posture
 - Posture and eye gazing
4. Communication that takes place between the members of an organization within itself is _____.
- External
 - Formal
 - Informal
 - Internal
5. Oral communication ensures _____ and _____.
- Fluency ; speed
 - Adequate attention ; immediate response
 - Speedy interaction; immediate response
 - Speed; attention
6. As a means of communication, e-mails have features of the immediacy of both _____ and _____.
- Reading, receiving
 - Writing, sending
 - Calling, receiving
 - Receiving, sending
7. _____ and _____ are acted as barriers to communication.
- Semantic distortions, lack of planning
 - Sender, receiver
 - Channel, message
 - Feedback, the sender
8. Community development Project was replicated on the basis of :
- Etawa project
 - Nilokheri experiment
 - GMP campaign
 - None
9. Principle of Extension education is :
- Learning by hearing
 - Learning by seeing
 - Learning by reading
 - Learning by doing
10. Goal of Extension Education is to promote :
- Income of the farmers
 - Production of the crops
 - New crops
 - Scientific outlook
11. Who is known as father of Extension Education in India ?
- L.B. Bryn
 - K.N. Singh
 - J.P. Leagans
 - None
12. Chalk board is a _____ aid.
- Audio-Visual
 - Visual
 - Projected
 - Audio

13. Audio visual aids help _____ students in the class.
- Slow learning
 - Intelligent
 - Playful
 - Curious
14. Audio-visual aids should be used :
- When teachers are absent
 - When the object is not available
 - During examinations
 - During evaluation
15. As per ICMR 2020, RDA of Calcium for a pregnant women is (g/d) :
- 1000
 - 930
 - 500
 - 300
16. The concentration of micronutrients is below :
- 25 millimole in dry weight
 - 30 millimole in dry weight
 - 10 millimole in dry weight
 - 20 millimole in dry wight
17. About 98 percent of the mass of every living organism is composed of just six elements including carbon, hydrogen, nitrogen, oxygen and _____.
- Calcium and phosphorus
 - Phosphorus and sulfur
 - Sulfur and magnesium
 - Magnesium and sodium
18. Which is not digested by human ?
- Protein
 - Fats
 - Glucose
 - Cellulose
19. Which of the following is not a function of vitamins ?
- Useful in Digestion
 - Useful in Metabolism
 - Useful in Growth
 - Useful as Energy Giving
20. Which one of the following is a nutritionally essential amino acid for human ?
- Glycine
 - Phenylalanine
 - Serine
 - Aspartic acid
21. Vitamin K is required for _____.
- Synthesis of prothrombin
 - Conversion of prothrombin to thrombin
 - Formation of thromboplastin
 - Formation of prothrombinase
22. Foods having pH value of below 3.7 are called _____.
- High acid foods
 - Acid foods
 - Medium acid foods
 - Low acid foods
23. When fresh meat in a butcher's shop is cut, the newly exposed surface, on coming in contact with oxygen becomes _____ ?
- Pinkish
 - Brownish
 - Bright orange
 - Red
24. When sugars heated under controlled conditions in the absence of water, they form an hydro sugar, that readily polymerized to give typical taint and brown pigment, this process is called _____.
- Mail lard reaction
 - Caramalization
 - Browning
 - Purification

45. Soaps are _____ based soapy detergents.
- Water
 - Kerosene
 - Oil
 - Acid
46. Soft soaps are the limitation of hot process because of their _____.
- High alkalinity
 - Low alkalinity
 - Low solubility in water
 - High solubility in water
47. Which one of the following salts does not contain water of crystallization ?
- Blue vitriol
 - Baking soda
 - Washing soda
 - Gypsum
48. In terms of acidic strength, which one of the following is in the correct increasing order ?
- Water < Acetic acid < Hydrochloric acid
 - Water < Hydrochloric acid < Acetic acid
 - Acetic acid < Water < Hydrochloric acid
 - Hydrochloric acid < Water < Acetic acid
49. Which of the following can be used for measuring temperature ?
- Metallic diaphragm
 - Fluid expansion system
 - Capsule
 - Bourdon tube
50. IPTS stands for _____.
- International Practical Temperature Scale
 - Indian Primary Temperature Scale
 - International Primary Temperature Scale
 - International Practical Temperature Standard
51. If the displacement of an object is proportional to square of time, then the object moves with :
- Uniform velocity
 - Uniform acceleration
 - Increasing acceleration
 - Decreasing acceleration
52. The value of acceleration due to gravity is :
- Same on equator and poles
 - Least on poles
 - Least on equator
 - Increases from pole to equator
53. A calorimeter does not involve measurement of temperature :
- True
 - False
 - Undecided
 - Seldom decided
54. The literature of heat transfer generally recognizes distinct modes of heat transfer. How many modes are there ?
- One
 - Two
 - Three
 - Four

55. 'Ideal' growth for all children is described as all growth measures tracking along the 50th percentile :
- (A) Truth
 - (B) False
 - (C) Seldom True
 - (D) Undecided
56. A diet containing right amount of energy, carbohydrates, proteins, fats, fiber, vitamins, mineral and water to fulfill requirement of body is called :
- (A) Nutrition
 - (B) Balanced diet
 - (C) Perfect diet
 - (D) Food pyramid
57. The chemical substances which are secreted from endocrine glands are called :
- (A) Puberty
 - (B) Hormones
 - (C) Estrogen
 - (D) Chromosomes
58. What is the cessation of menstruation called :
- (A) Menarche
 - (B) Menopause
 - (C) Gametes
 - (D) Insulin
59. Production of thyroxin requires :
- (A) Sodium
 - (B) Magnesium
 - (C) Iodine
 - (D) Bromine
60. Acne and pimples on the face is due to secretion of :
- (A) Bile from liver
 - (B) Oil glands during puberty
 - (C) Enzymes in the digestive tract
 - (D) Tear from tear glands