

Roll No.

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(Write Roll Number from left side exactly as in the Admit Card)

Signature of Invigilators

1. \_\_\_\_\_
2. \_\_\_\_\_

**2315**

Question Booklet Series

**A**

PAPER–III

Question Booklet No.

Subject Code : 23

OMR Sheet No. ....

(To be filled by the candidate)

**HOME SCIENCE**

Time : 2 Hours 30 Minutes

Maximum Marks: 150

*Instructions for the Candidates*

1. Write your Roll Number in the space provided on the top of this page as well as on the OMR Sheet provided.
2. At the commencement of the examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and verify it:
  - (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page.
  - (ii) Faulty booklet, if detected, should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
  - (iii) After this verification is over, the Question Booklet Series and Question Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Question Booklet.
3. This paper consists of seventy-five (75) multiple-choice type questions. All the questions are compulsory. Each question carries *two* marks.
4. Each Question has four alternative responses marked: **(A)** **(B)** **(C)** **(D)**. You have to darken the circle as indicated below on the correct response against each question.

*Example:* **(A)** **(B)** **(C)** **(D)**, where **(C)** is the correct response.
5. Your responses to the questions are to be indicated correctly in the OMR Sheet. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated.
6. Rough work is to be done at the end of this booklet.
7. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification.
8. Do not tamper or fold the OMR Sheet in any way. If you do so, your OMR Sheet will not be evaluated.
9. You have to return the Original OMR Sheet to the invigilator at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are, however, allowed to carry question booklet and duplicate copy of OMR Sheet after completion of examination.
10. **Use only Blue/Black Ball point pen.**
11. **Use of any calculator or log table or mobile phone etc. is strictly prohibited.**
12. **There are no negative marks for incorrect answers.**

[ Please Turn Over ]



## HOME SCIENCE

## PAPER III

1. Among the following sugars which one will give negative Benedict's Test?
  - (A) Glucose
  - (B) Lactose
  - (C) Arabinose
  - (D) Sucrose
2. Psychosocial theory is given by
  - (A) Piaget
  - (B) Erickson
  - (C) Hurlock
  - (D) Kolberg
3. A bedspread used for ceremonial occasions made with Kantha Embroidery is
  - (A) Sujani
  - (B) Sainchi
  - (C) Suber
  - (D) Sangli
4. When black colour is added to any colour, it is called
  - (A) Tint
  - (B) Shade
  - (C) Chroma
  - (D) Colour value
5. The logo of "Make in India" programme is
  - (A) Tiger
  - (B) Lion
  - (C) Elephant
  - (D) Red Panda
6. \_\_\_\_\_ is also known as Javelle Water.
  - (A) Sodium Hypochlorite
  - (B) Borax
  - (C) Gum Water
  - (D) Sodium Perborate
7. Shears is a type of \_\_\_\_\_.
  - (A) Needle
  - (B) Blade
  - (C) Scissors
  - (D) Ripper
8. \_\_\_\_\_ is used in double fortified salt.
  - (A) Iodine and Iron
  - (B) Iodine and Copper
  - (C) Iodine and Sodium
  - (D) Iodine
9. Infestation of which worm is responsible for the cause of anaemia in rural population?
  - (A) Round worm
  - (B) Thread worm
  - (C) Hook worm
  - (D) Tape worm
10. \_\_\_\_\_ is prepared by mixing borax, caustic soda and hydrogen peroxide.
  - (A) Sodium Perborate
  - (B) Suhaga
  - (C) Sodium Hypochloride
  - (D) Gum water
11. Woollen materials are liable to be affected in washing for which of the following changes?
  - (A) Damage to surface structure
  - (B) Loss of colour and fading
  - (C) Damage to stitch
  - (D) Shrink and deform
12. Learning by doing is the principle of \_\_\_\_\_.
  - (A) Theory of development
  - (B) Extension
  - (C) Research
  - (D) Teaching

[ Please Turn Over ]

13. Pencil technique is a technique of \_\_\_\_\_ .
- Monitoring
  - Weaving
  - Work simplification
  - Texture analysis
14. Resource utilization during \_\_\_\_\_ stage of family life-cycle is comparatively lower.
- the contracting
  - the expanding
  - the beginning
  - the normal
15. The process in which starch in the grain is converted into sugar is
- Cooking
  - Malting
  - Steaming
  - Baking
16. The stale bread gets usually affected by \_\_\_\_\_ .
- Mould
  - Worms
  - Bacteria
  - Virus
17. Learning disability is called \_\_\_\_\_ .
- Autism
  - Mental disability
  - Dyslexia
  - Emotional disability
18. International Literacy Day is celebrated on :
- 8th September
  - 8th October
  - 8th November
  - 8th August
19. Arrange the following in the descending order of hierarchy:
- Jilla Panchayat
  - Gram Panchayat
  - Block Panchayat
  - Gram Sabha
- (iv), (ii), (iii), (i)
  - (ii), (iv), (iii), (i)
  - (i), (iii), (ii), (iv)
  - (iii), (iv), (ii), (i)
20. Which of the following methods are used for controlling the use of income?
- Mental check
  - Evaluation of expenditure
  - Saving and investment
  - Mechanical check
  - Record keeping
  - Budgeting
- (ii), (iii), (vi)
  - (iii), (v), (vi)
  - (i), (iv), (v)
  - (i), (iv), (v), (vi)
21. The eating disorder that is characterized by self-imposed starvation is
- Flatulence
  - Obesity
  - Malnutrition
  - Anorexia
22. A synthetic hormone that is responsible to increase milk production in cow is
- BSA (Bovine Serum Albumin)
  - BSE (Bovine Spongiform Encephalopathy)
  - BST (Bovine Somatotropin)
  - BGH (Bovine Growth Hormone)

23. FSIS stands for
- (A) Food Safety and Inspection Administration
  - (B) Food Safety and Inspection Service
  - (C) Fibre Safety Inspection Service
  - (D) Food and Drug Administration
24. Yellow green fluorescence in the whey is due to the presence of which vitamin?
- (A) Riboflavin
  - (B) Ascorbic acid
  - (C) Thiamine
  - (D) Biotin
25. An 85 years old male patient has decreased his intake of animal protein and increased his intake of whole grain toast, cereal and salads over the past 12 months. Which of the following micro-nutrient deficiencies will be at risk for him?
- (A) Magnesium
  - (B) Folate
  - (C) Selenium
  - (D) Zinc
26. A theory which suggests that the intended message is directly received and wholly accepted by the receiver is known as
- (A) Social Identity theory.
  - (B) Identity Management theory.
  - (C) Bullet theory.
  - (D) Face- recognition theory.
27. Mr. X has a habit of judging his important customers on the basis of will power, capability and authority. This technique is called
- (A) Sales preparation.
  - (B) Customer search.
  - (C) Prospecting.
  - (D) Good approach to the customer.
28. The function of media which maintains social stability is
- (A) Stabilizing function.
  - (B) Correlation function.
  - (C) Constant function.
  - (D) Equalizing function.
29. The major cause for increased demand of human resources and management is
- (A) Shortage of labour.
  - (B) Expansion of industry.
  - (C) Abundance of capital.
  - (D) Consumer preferences.
30. Structured learning is associated with
- (A) Learning that is imposed.
  - (B) Theoretical learning.
  - (C) Text book learning.
  - (D) Planning and specific outcomes.
31. The expenditure on which of the followings does't decrease when a couple has children?
- (A) Alcoholic beverages
  - (B) Health care
  - (C) Personal care products
  - (D) Adult apparel
32. While managing political behavior in an organization, the manager requires discouraging of
- (A) self interest
  - (B) negotiation
  - (C) relationship
  - (D) dialogue
33. Which fiber comprises Nitrogen and Sulfur?
- (A) Kevlar
  - (B) Nylon
  - (C) Polyester
  - (D) Wool

34. Which one of the followings is major associative force in textiles?

- (A) Oxygen bonding
- (B) Sulphur bonding
- (C) Carbon bonding
- (D) Hydrogen bonding

35. Homogenous mixing of fibre can be obtained by the technique of

- (A) Roving blending.
- (B) Lap blending.
- (C) Tuft blending.
- (D) Silver blending.

36. Chain stitch is also known as

- (A) Lock stitch
- (B) Overlock stitch
- (C) Inter looped stitch
- (D) French seam

37. The Japanese style of Flower arrangement depicts the stages of Life cycle. i.e

- (A) Earth, Man and Heaven.
- (B) Star, moon and earth.
- (C) Beginning, expanding and Contracting family.
- (D) One, Two and Three Stages.

38. What is the chemical score of milk protein?

- (A) 70
- (B) 65
- (C) 60
- (D) 40

39. A sugarfree product contains how much sugar?

- (A) No sugar
- (B) Less than 10 g per serving
- (C) Less than 5 g per serving
- (D) Less than 0.5 g per serving

40. Aflatoxins are secondary metabolites which are produced by molds growing on food. It is considered as

- (A) A carcinogen to animals.
- (B) International food additives.
- (C) Shelf-life enhancer to food.
- (D) Pesticides.

41. Fruits and vegetables lack \_\_\_\_\_ vitamin.

- (A) Vitamin B<sub>12</sub>
- (B) Vitamin C
- (C) Vitamin B<sub>6</sub>
- (D) Vitamin A

42. Food security can be defined as:

- (A) Food supply which is served and protected from outside threats.
- (B) Food supply that is able to meet the nutritional needs of its population.
- (C) Food supply which is tasty and available at affordable price.
- (D) Food supply that is safe, available with sufficient quantity and satisfactory to a range of customers.

43. Which one of the followings is 'NOT TRUE' to BMR?

- (A) BMR accounts for 60-75% of calories burnt by a person everyday.
- (B) BMR is the minimal rate of energy expenditure per unit time at rest.
- (C) BMR does not take into consideration of controlling body temperature.
- (D) BMR is measured by indirect calorimetry.

44. Simple random sampling provides \_\_\_\_\_ to each unit of the population for being selected.

- (A) no specific chance
- (B) a proportionate chance
- (C) a specific chance
- (D) equal chance

45. Adult education evaluation is effective when it is  
(A) rigid  
(B) broad  
(C) group based  
(D) participatory
46. Which one of the followings does not fall into the category of "Institute" ?  
(A) Government Hospital  
(B) Government building having various offices  
(C) Family  
(D) Old Age Home
47. Longitudinal study is a research design where the researcher studies  
(A) a sample at different points of time over a specified time frame.  
(B) a sample only once for 3-4 weeks.  
(C) covers people of different age groups at the same time.  
(D) covers samples that resides even at long distances.
48. In Ikebana style of flower arrangement, which of the following number of spike are used?  
(A) Two  
(B) Four  
(C) Five  
(D) Ten
49. Rayon are the type of  
(A) Polyester  
(B) Cuprammonium  
(C) Orlon  
(D) Acylon
50. Calculate the basal metabolic rate of a 38 years old lady having height of 5'4" and weight of 142 pounds.  
(A) 1395  
(B) 2175  
(C) 1143  
(D) 1473
51. Which one of the following statistical tests is used to prove the significance of correlation coefficient?  
(A) Z- test  
(B) Chi- square test  
(C) t- test  
(D) One-way analysis of variance
52. Hypothesis testing is a type of:  
(A) Descriptive statistics.  
(B) Inferential statistics.  
(C) Data preparation.  
(D) Data analysis.
53. When qualitative paradigm is used for one phase and quantitative paradigm is used for another phase, this type of research is known as  
(A) Basic research.  
(B) Quantitative research.  
(C) Mixed Method research.  
(D) Mixed Model research.
54. In a two tailed test, the P-value was found to be 0.06, then what would be the equivalent one-tailed P-value?  
(A) 0.03  
(B) 0.04  
(C) 0.003  
(D) 0.004
55. Collection and data analysis during single research study in a cyclical process is called as  
(A) Inter-item analysis.  
(B) Interim analysis.  
(C) Inter analysis.  
(D) Constant analysis.

56. All members of well defined group of objects constitute the

- (A) Sample
- (B) Frame
- (C) Cluster
- (D) Population

57. Chi-square is most suitable for

- (A) Parametric data.
- (B) Non-parametric data.
- (C) Comparing means.
- (D) Non comparing means.

58. In Fire proofing the garment the following solvent is used.

- (A) Hydrogen peroxide.
- (B) Caustic Soda.
- (C) Vinyl antimony Oxide.
- (D) Potassium meta bi-sulphate.

59. Cross cultural studies are an example of

- (A) Case study design.
- (B) Comparative design.
- (C) Experimental design.
- (D) Longitudinal design.

60. \_\_\_\_\_ sampling technique belongs to the group of non-probability sampling.

- (A) Quota
- (B) Systematic
- (C) Cluster
- (D) Stratified

61. If a Panchayat is dissolved then time duration needed for next election is

- (A) 1 year
- (B) 5 years
- (C) 3 months
- (D) 6 months

62. Attention seeking behaviour in children aged 3 years develops when they

- (A) play with a friend.
- (B) have a new sibling in the family.
- (C) share a book with an adult.
- (D) visit a relative.

63. The target group for National Literacy Mission is

- (A) below 15 years.
- (B) 15-35 years.
- (C) 35-44 years.
- (D) 15-65 years.

64. Which of the two nutrients are responsible for green ring formation in boiled egg?

- (i) Iron
- (ii) Protein
- (iii) Calcium
- (iv) Sulphur
- (v) Copper

Codes:

- (A) (ii) and (iii)
- (B) (iii) and (v)
- (C) (i) and (iv)
- (D) (ii) and (v)

65. In Mass Communication, PSA stands for

- (A) Public Service Assessment
- (B) Public Service Announcement
- (C) Public Service Access
- (D) Public Service Account



66. Formula for BMI (Body Mass Index) is:
- (A)  $BMI = \frac{\text{Height}}{(\text{Weight})^2}$
- (B)  $BMI = \frac{\text{Weight}}{(\text{Height})^2}$
- (C)  $BMI = \text{Height} \times (\text{Weight})^2$
- (D)  $BMI = \left\{ \frac{1}{(\text{Height})} \times (\text{Weight})^2 \times 100 \right\}$
67. Current development in extension programme adopt
- (A) Integrated approach.
- (B) Multinational approach.
- (C) Area development approach.
- (D) Participatory approach.
68. PPP refers to
- (A) Public Private Partnership
- (B) People Participatory Presence
- (C) Public Police Partnership
- (D) Provoked People Participation
69. Choose the odd one from below:
- (A) Flash cards
- (B) Flip books
- (C) Photographs
- (D) Films
70. The approaches of (NFE) Non Formal Education should be
- (A) literary oriented.
- (B) subject oriented.
- (C) learner oriented.
- (D) examination oriented.
71. Churcha Mandal are
- (A) discussion forum.
- (B) political campaigning bodies.
- (C) platform for propaganda.
- (D) decision making bodies.
72. The curriculum content of a Non-Formal Education should be
- (A) elementary
- (B) simple
- (C) flexible
- (D) consistent
73. The full form of SITE is
- (A) Satellite Institute of Television Education
- (B) Satellite Instruction Television Experiment
- (C) Satellite Instruction and Training Education
- (D) Solar Institute of Technology Education
74. In classroom, teacher uses a text and some pictures of fruits and vegetables and discusses with students and students link the details with their previous knowledge and learns the concept of nutrition. This approach is based on:
- (A) Theory of reinforcement
- (B) Classical visual learning
- (C) Construction of knowledge
- (D) Linear development of learning
75. Followings are some of the pairs of Non-Formal Education initiatives in India with their year of implementation. Mark the correct pair.
- | <i>List-1</i>                                 | <i>List-2</i> |
|---|---------------|
| (A) National Literacy Mission (NLM)           | 1978          |
| (B) Sarva Siksha Abhiyan (SSA)                | 1961          |
| (C) National Adult Education Programme (NAEP) | 1988          |
| (D) National Institute of Open School (NIOS)  | 1989          |

*2315-III*

**A-10**

**ROUGH WORK**

**A-11**

***2315-III***

**ROUGH WORK**

*2315-III*

**A-12**

**ROUGH WORK**