

Test Paper : II
Test Subject : HOME SCIENCE
Test Subject Code : K-3013

Test Booklet Serial No. : _____

OMR Sheet No. : _____

Roll No.

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(Figures as per admission card)

Name & Signature of Invigilator/s

Signature: _____
Name : _____

Signature : _____
Name : _____

Paper : II
Subject : HOME SCIENCE

Time : 1 Hour 15 Minutes

Maximum Marks : 100

Number of Pages in this Booklet : 8

Number of Questions in this Booklet : 50

ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು

- ಈ ಪುಟದ ಮೇಲ್ಭಾಗದಲ್ಲಿ ಒದಗಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ರೋಲ್ ನಂಬರನ್ನು ಬರೆಯಿರಿ.
- ಈ ಪತ್ರಿಕೆಯು ಒಂದು ವಿಧದ ಐವತ್ತು ಪ್ರಶ್ನೆಗಳನ್ನು ಒಳಗೊಂಡಿದೆ.
- ಪರೀಕ್ಷೆಯ ಪ್ರಾರಂಭದಲ್ಲಿ ಪ್ರಶ್ನೆಪುಸ್ತಕವನ್ನು ನಿಮಗ ನೀಡಲಾಗುವುದು. ಮೊದಲ 5 ನಿಮಿಷಗಳಲ್ಲಿ ನೀವು ಪುಸ್ತಕವನ್ನು ತೆರೆಯಲು ಮತ್ತು ಕೆಳಗಿನಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಪರೀಕ್ಷಿಸಲು ಕೋರಲಾಗಿದೆ.
(i) ಪ್ರಶ್ನೆಪುಸ್ತಕದ ಪ್ರವೇಶಾಪಕಾಶ ಪಡೆಯಲು, ಈ ಹೊದಿಕೆ ಪುಟದ ಅಂಚಿನ ಮೇಲಿರುವ ಪೇಪರ್ ಸೀಲನ್ನು ಹರಿಯಿರಿ. ಸ್ವಿಚ್ ಸೀಲ್ ಇಲ್ಲದ ಪ್ರಶ್ನೆಪುಸ್ತಕ ಸ್ವೀಕರಿಸಬೇಡಿ. ತೆರದ ಪುಸ್ತಕವನ್ನು ಸ್ವೀಕರಿಸಬೇಡಿ.
(ii) ಪುಸ್ತಕಿಯಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ ಮತ್ತು ಪುಟಗಳ ಸಂಖ್ಯೆಯನ್ನು ಮುಖಪುಟದ ಮೇಲೆ ಮುದ್ರಿಸಿದ ಮಾಹಿತಿಯೊಂದಿಗೆ ತಾಳೆ ನೋಡಿರಿ. ಪುಟಗಳು/ಪ್ರಶ್ನೆಗಳು ಕಾಣೆಯಾದ, ಅಥವಾ ದ್ವಿಪ್ರತಿ ಅಥವಾ ಅನುಕ್ರಮವಾಗಿಲ್ಲದ ಅಥವಾ ಇತರ ಯಾವುದೇ ವ್ಯತ್ಯಾಸದ ದೋಷಪೂರಿತ ಪುಸ್ತಕಿಯನ್ನು ಕೂಡಲೇ 5 ನಿಮಿಷದ ಅವಧಿ ಒಳಗೆ, ಸಂವಿಕ್ಷೇಪದ ಸರಿ ಇರುವ ಪುಸ್ತಕಿಗೆ ಬದಲಾಯಿಸಿಕೊಳ್ಳಬೇಕು. ಆ ಬಳಿಕ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ಬದಲಾಯಿಸಲಾಗುವುದಿಲ್ಲ, ಯಾವುದೇ ಹೆಚ್ಚು ಸಮಯವನ್ನೂ ಕೊಡಲಾಗುವುದಿಲ್ಲ.
- ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ (A), (B), (C) ಮತ್ತು (D) ಎಂದು ಗುರುತಿಸಿದ ನಾಲ್ಕು ಪರ್ಯಾಯ ಉತ್ತರಗಳಿವೆ. ನೀವು ಪ್ರಶ್ನೆಯ ಎದುರು ಸರಿಯಾದ ಉತ್ತರದ ಮೇಲೆ, ಕೆಳಗೆ ಕಾಣಿಸಿದಂತೆ ಅಂಡಾಕೃತಿಯನ್ನು ಕಪ್ಪಾಗಿಸಬೇಕು.
ಉದಾಹರಣೆ :

A	B	●	D
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(C) ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದಾಗ.
- ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ I ರಲ್ಲಿ ಕೊಟ್ಟಿರುವ OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ I ಮತ್ತು ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ II ರಲ್ಲಿ ಇರುವ ಪ್ರಶ್ನೆಗಳಿಗೆ ನಿಮ್ಮ ಉತ್ತರಗಳನ್ನು ಸೂಚಿಸತಕ್ಕದ್ದು. OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಅಂಡಾಕೃತಿಯಿಲ್ಲದ ಬೇರೆ ಯಾವುದೇ ಸ್ಥಳದಲ್ಲಿ ಉತ್ತರವನ್ನು ಗುರುತಿಸಿದರೆ, ಅದರ ಮೌಲ್ಯಮಾಪನ ಮಾಡಲಾಗುವುದಿಲ್ಲ.
- OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಕೊಟ್ಟ ಸೂಚನೆಗಳನ್ನು ಜಾಗರೂಕತೆಯಿಂದ ಓದಿರಿ.
- ಎಲ್ಲಾ ಕೆಲಸವನ್ನು ಪುಸ್ತಕಿಯ ಕೊನೆಯಲ್ಲಿ ಮಾಡತಕ್ಕದ್ದು.
- ನಿಮ್ಮ ಗುರುತನ್ನು ಬಹಿರಂಗಪಡಿಸಬಹುದಾದ ನಿಮ್ಮ ಹೆಸರು ಅಥವಾ ಯಾವುದೇ ಚಿಹ್ನೆಯನ್ನು ಸಂಗತವಾದ ಸ್ಥಳ ಹೊರತು ಪಡಿಸಿ, OMR ಉತ್ತರ ಹಾಳೆಯ ಯಾವುದೇ ಭಾಗದಲ್ಲಿ ಬರೆದರೆ, ನೀವು ಅನರ್ಹತೆಗೆ ಬಾಧ್ಯರಾಗಿರುತ್ತೀರಿ.
- ಪರೀಕ್ಷೆಯು ಮುಗಿದನಂತರ, ಕಡ್ಡಾಯವಾಗಿ OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸಂವಿಕ್ಷೇಪಕ್ಕೆ ನೀವು ಹಿಂತಿರುಗಿಸಬೇಕು ಮತ್ತು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯ ಹೊರಗೆ OMR ನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ಕೊಂಡೊಯ್ಯ ಕೂಡದು.
- ಪರೀಕ್ಷೆಯ ನಂತರ, ಪರೀಕ್ಷಾ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ಮತ್ತು ನಕಲು OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.
- ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರವೇ ಉಪಯೋಗಿಸಿರಿ.
- ಕ್ಯಾಲ್ಕುಲೇಟರ್ ಅಥವಾ ಲಾಗ್ ಟೇಬಲ್ ಇತ್ಯಾದಿಯ ಉಪಯೋಗವನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ.
- ಸರಿ ಅಲ್ಲದ ಉತ್ತರಗಳಿಗೆ ಋಣ ಅಂಕ ಇರುವುದಿಲ್ಲ.

Instructions for the Candidates

- Write your roll number in the space provided on the top of this page.
- This paper consists of fifty multiple-choice type of questions.
- At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below :
(i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet.
(ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy 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.
- Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the oval as indicated below on the correct response against each item.
Example :

A	B	●	D
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where (C) is the correct response.
- Your responses to the questions are to be indicated in the **OMR Sheet kept inside the Paper I Booklet only**. If you mark at any place other than in the ovals in the Answer Sheet, it will not be evaluated.
- Read the instructions given in OMR carefully.
- Rough Work is to be done in the end of this booklet.
- If you write your name or put any mark on any part of the OMR Answer Sheet, except for the space allotted for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
- You have to return the test OMR Answer Sheet to the invigilators at the end of the examination compulsorily and must NOT carry it with you outside the Examination Hall.
- You can take away question booklet and carbon copy of OMR Answer Sheet soon after the examination.
- Use only Blue/Black Ball point pen.**
- Use of any calculator or log table etc., is prohibited.**
- There is no negative marks for incorrect answers.**



HOME SCIENCE Paper – II

Note : This paper contains **fifty (50)** objective type questions. **Each** question carries **two (2)** marks. **All** questions are **compulsory**.

1. Which one of the following is classified as a separation technique ?

- (A) Chromatography
- (B) Ultracentrifugation
- (C) Colourimetry
- (D) Atomic absorption spectrophotometer

2. Give the sequential order of garment construction.

- (a) Layout
- (b) Cutting
- (c) Drafting
- (d) Assembling

Code :

- (A) d, a, c, b
- (B) a, b, c, d
- (C) b, c, d, a
- (D) c, a, b, d

3. **Assertion (A) :** The concept of women self-help groups was first introduced in DWCRA Pilot projects in 1981 to develop rural families.

Reason (R) : Only the women beneficiaries of IRDP utilized loans for the benefit of their families and repaid.

- (A) Both (A) and (R) are false
- (B) Both (A) and (R) are true
- (C) (A) is true and (R) is false
- (D) (A) is false and (R) is true

4. Which one of the following is required for crystallization and storage of the hormone insulin ?

- (A) Manganese
- (B) Magnesium
- (C) Calcium
- (D) Zinc

5. **Assertion (A) :** Early childhood education is a form of deliberate social intervention.

Reason (R) : The society prepares children to fit into existing order.

- (A) Both (A) and (R) are false
- (B) (A) is true but (R) is false
- (C) (A) is false but (R) is true
- (D) Both (A) and (R) are true

6. Match List-I with List-II.

List-I	List-II
(a) Lac is a	(i) from Karnataka are world famous
(b) Waxing	(ii) a technique in pottery
(c) Terracotta	(iii) Protective coating used on carpet
(d) Sandalwood art	(iv) Resin

Code :

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | ii | iii | iv | i |
| (B) | iii | iv | i | ii |
| (C) | iv | iii | ii | i |
| (D) | iv | ii | iii | i |



7. Tick the correct answer between True (T) and False (F).
- (a) Most molds produce toxic substances.
 - (b) Most bacteria grow best at neutral pH.
 - (c) Vegetation diets are deficient in Vitamin B₁₂.
 - (d) Acute immunodeficiency syndrome is a food borne infection.
- Code :**
- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | F | T | F | T |
| (B) | F | T | T | F |
| (C) | T | F | T | F |
| (D) | T | F | F | T |
8. **Assertion (A)** : Communication among family members improves interaction and strengthens family relationships.
Reason (R) : Family, members do not disclose information, which can facilitate understanding.
- (A) Both (A) and (R) are false
 - (B) Both (A) and (R) are true
 - (C) (A) is true but (R) is false
 - (D) (A) is false but (R) is true
9. Indicate the functions of personnel management.
- (a) Advisory
 - (b) Administration
 - (c) Management
 - (d) Worker's welfare
- (A) b, d (B) a, b, c, d
(C) a, b, c (D) a, d
10. To study the effect of gender on nutritional status of children, you have collected data on height and weight of 500 boys and 500 girls and classified them into different grades of malnutrition. Which test will you use to determine the significance between gender ?
- (A) Odd's ratio
 - (B) Chi-square test
 - (C) ANOVA
 - (D) Student's 'T' test
11. Calendering means
- (A) Domestic ironing
 - (B) Commercial ironing
 - (C) Commercial washing
 - (D) Domestic washing
12. The education designed for the illiterates, dropouts, non-starters out of the formal system is termed as
- (A) Formal education
 - (B) Informal education
 - (C) Vocational education
 - (D) Non-formal education
13. To recommend the Vitamin A intake for Indians, the ratio used for conversion of Vitamin A to B-carotene is
- (A) 1 : 6 (B) 1 : 2
 - (C) 1 : 4 (D) 1 : 8
14. Sri. M. K. Gandhi (1869-1948) advocated pre-basic education or the education of children under
- (A) 5 years (B) 6 years
 - (C) 7 years (D) 8 years



15. The height of the kitchen counter is based on
(A) Home maker's height
(B) Home maker's elbow height
(C) Eye level of the home maker
(D) Equipment to be used
16. When proteins are heated, a decrease in their solubility is seen due to
(A) Denaturation
(B) Deconjugation
(C) Deamination
(D) Decarboxylation
17. Feed back cannot be immediate in this type of communication.
(A) Individual approach
(B) Group approach
(C) Mass approach
(D) Persuasive approach
18. The selling price of a food product is calculated from
(A) Cost of raw material, labour and overheads
(B) Cost of food, labour, overheads and profit margin
(C) Cost of food, labour, utilities and profit
(D) Cost of raw material, labour, utilities and overheads
19. Identify research study comparing groups of persons of different ages in order to determine how certain aspects of behaviour or cognition change with age.
(A) Cross sectional
(B) Longitudinal
(C) Retrospective
(D) Cohort studies
20. 'V' shaped cut or marking in the seam is known as
(A) Notch (B) Grain line
(C) Seam allowance (D) Dart
21. Following refers to all the means employed to provide learners with opportunities for desirable learning experiences.
(A) Curriculum (B) Teaching
(C) Learning (D) Syllabus
22. Match List-A with List-B.
- | List-A | List-B |
|-------------------------|-------------------------|
| (a) Fruit juices | (i) Vacuum pack |
| (b) Biscuits | (ii) Cryogenic grinding |
| (c) Spice powders | (iii) Retort pouch |
| (d) RTE vegetable curry | (iv) Aseptic packaging |
- (a) (b) (c) (d)
(A) i ii iii iv
(B) iii i iv ii
(C) iv i ii iii
(D) ii i iii iv
23. Arrange the Piaget's cognitive-developmental stages according to their chronological order.
(a) The formal-operational period
(b) The pre-operational period
(c) The sensory motor period
(d) The concrete-operational period
- Code :**
(A) b, d, a, c
(B) c, b, d, a
(C) a, b, c, d
(D) d, c, b, a



24. The substance which gives stiffness to clothes.
(A) Jewellin water (B) Borax
(C) Gum water (D) All
25. Match the names of scientist (List-A) with their contribution (List-B).
- | List-A | List-B |
|-----------------------------|-------------------------------------|
| (a) Gross and Grandall | (i) Simple pen and pencil technique |
| (b) Mundel | (ii) Concept of home management |
| (c) Lilian Gilbreth | (iii) Form follows function |
| (d) Goldstein and Goldstein | (iv) Classes of change |
- Code :**
- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | i | iii | iv | ii |
| (B) | iv | i | iii | ii |
| (C) | ii | iv | i | iii |
| (D) | iv | iii | ii | i |
26. In this type of curriculum, learners will be able to apply the learnt skills and knowledge to their life situations.
(A) Expert initiated
(B) Functional
(C) Problem solving
(D) Learner centered
27. **Assertion (A)** : Standardization of a recipe ensures customer satisfaction and reduces wastage of food.
Reason (R) : Preparation of a food product in your own way and recording it is called standardization of recipe.
(A) Both (A) and (R) are true
(B) Both (A) and (R) are false
(C) (A) is false but (R) is true
(D) (A) is true but (R) is false
28. Which type of scales reduce chances of error while measuring variables in Home Science ?
(A) Ratio scale
(B) Nominal scale
(C) Ordinal scale
(D) Thurston rating scale
29. Indicate whether the following statements are True (T) or False (F).
(a) Quality is expressed as the value of a product or service.
(b) Grade is nothing but 'Quality'.
(c) 'Inspection' in Apparel Industry refers to examining 'partially completed' garments only.
(d) Quality aims to meet some expectations of the customers.
- Code :**
- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | T | T | F | T |
| (B) | F | T | F | T |
| (C) | T | F | T | T |
| (D) | F | F | T | T |
30. Among mass media, television can facilitate learning at following level
(A) Cognitive
(B) Affective
(C) Psychomotor
(D) All level
31. During the period 440-559 B.C, which Greek Philosopher described the effect of food on body ?
(A) Hippocrates (B) Aristotle
(C) Freud (D) Plato



32. Match the following Erickson's basic conflicts in List-A with their corresponding ages in List-B.

List-A	List-B
(a) Trust versus mistrust	(i) 7-11 years
(b) Autonomy versus doubt and shame	(ii) 3-7 years
(c) Initiative versus guilty	(iii) 0-18 months
(d) Industry versus inferiority	(iv) 18 months to 3 years

Code :

	(a)	(b)	(c)	(d)
(A)	iv	iii	i	ii
(B)	iv	ii	i	iii
(C)	iii	ii	i	iv
(D)	ii	iii	iv	i

33. Doshala is the traditional textiles of
(A) Karnataka (B) Kutch
(C) Kashmir (D) Kathiawar
34. Decision making is crucial and based on
(A) Choosing among all the alternatives rationally
(B) Planning a right action plan
(C) Relying on elder's opinion
(D) None of the above
35. Pathogenic organisms cannot grow in bottled water because
(A) The bottle is sterilized
(B) The bottle is sealed against ingress of air
(C) It is mineral water
(D) The level of nutrients in water is very low

36. The disturbances encountered in a communication process is termed as
(A) Feedback (B) Barriers
(C) Participation (D) Decoding

37. The commercial food service chain establishments which serve ready prepared foods are
(A) Commissary FSI
(B) Conventional FSI
(C) Assembly FSI
(D) Semi-conventional FSI

38. Secondary data for research can be obtained from
(a) Journals and reports
(b) Govt. and private publications
(c) Trade manuals and reports
(d) Professional bodies

Code :

- (A) a, b (B) a, b, c
(C) a, b, c, d (D) b, c

39. Give sequential order for the process of dyeing
(a) Single IKat (b) Double IKat
(c) Tying (d) Dyeing

Code :

- (A) a, b, c, d (B) c, d, a, b
(C) d, a, c, b (D) a, c, d, b

40. **Assertion (A)** : Extension education is the process of teaching people how to live better through appropriate methods.

Reason (R) : To teach, people it is necessary not only to know the subject but also to know them.

Code :

- (A) Both (A) and (R) are true
(B) Both (A) and (R) are false
(C) (A) is false but (R) is true
(D) (A) is true but (R) is false



41. Essential oils used for flavouring fruit products are extracted from
(A) Fruit pomace
(B) Fruit pulp
(C) Fruit peel
(D) Fruit seed
42. The three levels of development based on Piaget's work was proposed by,
(A) Lawrence Kohlberg
(B) Robert J. Havinghurst
(C) Benjamin S. Bloom
(D) Basil Bernstein
43. Patola is a variety of
(A) Tie-dyeing
(B) Space dyeing
(C) Single IKat
(D) Double IKat
44. Addition of lemon juice to milk causes curdling due to
(A) Decrease in lactose
(B) Decrease in pH
(C) Precipitation of calcium
(D) Increase in pH
45. Assessing value or merits and demerits of a program is called
(A) Execution (B) Monitoring
(C) Evaluation (D) Planning
46. Among the following which is not the primary purpose of literature review.
(A) Identify gaps in theory/literature
(B) To select topic to fill the gap
(C) To better understand the topic
(D) For thesis report writing
47. Which one of the following steps are involved in the Janes Mursell (1951) or WED approach in problem solving ?
(a) Comprehensive picture as a whole
(b) Identifying the essential elements and arranging in terms of relevance
(c) Gathering and ordering the necessary details
(d) Identification and elimination of conflicts.
Code :
(A) a, b, c, d (B) a, b, c
(C) a, b (D) a, d
48. The stains on cloth can be removed by
(A) Hydrozination (B) Soap solution
(C) Reducing agent (D) Salt solution
49. Match List-A with List-B.
- | List-A | List-B |
|------------------------------------|--|
| (a) An anodised finish on utensils | (i) Bakelite |
| (b) Non-stick coating | (ii) When affected by acids and alkalies |
| (c) Preferred handle for utensils | (iii) Teflon |
| (d) Pitting may occur | (iv) Makes them resistant to corrosion and stain |
- Codes :**
- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | iv | iii | i | ii |
| (B) | iii | i | ii | iv |
| (C) | i | iii | ii | iv |
| (D) | ii | iii | i | iv |
50. Indicate the correct BMI range suggested by WHO for normal adult Asian population.
(A) 18.5 – 23.0 (B) 21.0 – 25.0
(C) 18.5 – 25.0 (D) 19.5 – 24.0



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Space for Rough Work