

HOME SCIENCE

Maximum Marks: 100

Time allowed: Two hours

1. *Answers to this Paper must be written on the paper provided separately.*
 2. *You will **not** be allowed to write during the first 15 minutes.*
 3. *This time is to be spent in reading the question paper.*
 4. *The time given at the head of this Paper is the time allowed for writing the answers.*
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5. *Attempt **all** questions from **Section A** and **any four** questions from **Section B**.*
 6. *The intended marks for questions or parts of questions are given in brackets [].*

Instruction for the Supervising Examiner

Kindly read aloud the Instructions given above to all the candidates present in the Examination Hall.

This paper consists of 12 printed pages.

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Turn Over

SECTION A (40 Marks)

(Attempt *all* questions from this *Section*.)

Question 1

[20]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write only the correct answers.)

- (i) Mr. Sharma has created an emergency fund from his monthly income which will help him to _____.
- (a) buy luxurious items
 - (b) pay school fees
 - (c) plan for unexpected expenses
 - (d) buy groceries
- (ii) Meena has purchased an old flat. She needs to insulate her living room with a suitable home furnishing. Identify the home furnishing that Meena will choose for her flat.
- (a) Wall to wall carpets
 - (b) Rug
 - (c) Bedspreads
 - (d) Table runner
- (iii) Lisa's family has shifted to a new colony. Lisa starts making friends, thus developing strong bonds. Identify the type of development seen in Lisa.
- (a) Emotional
 - (b) Physical
 - (c) Social
 - (d) Language

(iv) **Statement I:** The use of internet has increased the risk of online child exploitation.

Statement II: Children often lack awareness about online safety and privacy.

- (a) Statement I is true and Statement II is false.
- (b) Statement I is false and Statement II is true.
- (c) Both Statements I and II are true.
- (d) Both Statements I and II are false.

(v) **Assertion (A):** Extra-curricular activities are necessary for the overall growth and development of a child.

Reason (R): An imbalanced diet will have a poor effect on the child's extra-curricular activities.

- (a) (A) is true and (R) is false.
- (b) (A) is false and (R) is true.
- (c) Both (A) and (R) are true and (R) is the correct explanation of (A).
- (d) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(vi) Identify the **ODD** pair:

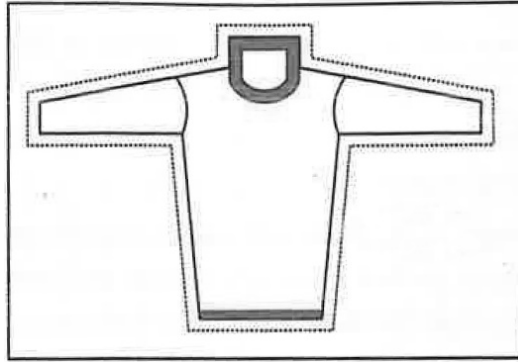
- (a) Pickling – cheese, curd
- (b) Sun drying – papad, wafers
- (c) Freezing – fish, meat
- (d) Refrigeration – custard, cheesecake

- (vii) Choose the relevant statement with reference to the food group depicted in the picture.



- (a) It increases the risk of cardiovascular disease.
 - (b) It absorbs fat-soluble vitamins A, D, E and K.
 - (c) It leads to weight loss.
 - (d) It helps prevent constipation.
- (viii) Mrs. Gupta has two children aged 4 and 6 years old. She went to a shopping mall to buy clothes. Choose the **most** important factor she should keep in mind while purchasing their clothes.
- (a) Brand name
 - (b) Design
 - (c) Colour
 - (d) Comfort
- (ix) Mita wants to restore the original finish of her old wedding silk saree. She needs to apply _____ to give a glossy look to the saree.
- (a) arrowroot starch
 - (b) gum arabic
 - (c) washing soda
 - (d) medicated soap

- (x) The drying technique depicted in the picture is suitable for:



- (a) Silk garments
(b) Woolen garments
(c) Cotton garments
(d) Polyester garments
- (xi) Choose the correct pairs based on the finishing methods practised on different fabrics:

1. Cotton	A. press at 100°F
2. Silk	B. needs little or no ironing
3. Synthetic fabrics	C. should be ironed at 100°F
4. Woolen fabrics	D. iron at 400°F

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

- (xii) _____ is the process by which food deteriorates in quality due to the production of toxins which cause illness.
- (a) Food preservation
 - (b) Food hygiene
 - (c) Food spoilage
 - (d) Food safety
- (xiii) Light coloured upholstery fabrics should be avoided as they make the room appear small.
- (a) True
 - (b) False
- (xiv) Select an appropriate act that addresses the social issue depicted in the image given below:



- (a) MNREGA
- (b) PCPNDT
- (c) Juvenile justice act
- (d) Immoral traffic prevention act

- (xv) Dr. Mithun wears a white coat when he is on duty in the hospital. Identify the factor affecting the selection of clothes in Dr. Mithun's case.
- (a) Budget
 - (b) Occupation
 - (c) Fashion
 - (d) Fit
- (xvi) The communication aid which is used not only for entertainment but also for spreading social messages is:
- (a) Puppet show
 - (b) Brochure
 - (c) Pamphlet
 - (d) Leaflet
- (xvii) Which of the following statements about brochures is true?
- (a) They are the most affordable form of communication.
 - (b) They are concise.
 - (c) They are usually designed in a threefold format.
 - (d) They can be used as newspaper and magazine inserts.
- (xviii) Tina, aged 8, has difficulty in spelling simple words and struggles with reading. Which learning disorder might she be experiencing?
- (a) Dysgraphia
 - (b) Dyslexia
 - (c) ADHD
 - (d) Dyscalculia

(xix) Which of the following is **NOT** a characteristic of a well-designed kitchen work triangle?

- (a) Uninterrupted workflow
- (b) Equal distance between work centres
- (c) Easy to move around
- (d) Random placement of work centres

(xx) Neha had extra seasonal tomatoes and wanted to make and store homemade tomato ketchup for over a year. Which of the following preservatives would help her store it safely for a long time?

- A. Salt
- B. Sodium Benzoate
- C. Oil
- D. Potassium Metabisulphite

Choose the correct option:

- (a) Both B and C
- (b) Both A and B
- (c) Both B and D
- (d) Both C and D

Question 2

Answer all the questions:

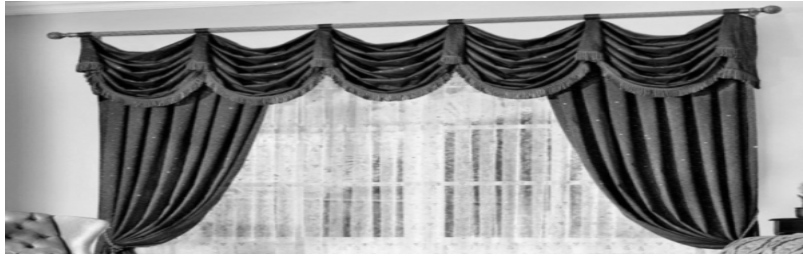
- (i) State the beneficiaries of DWCRA scheme. [2]
- (ii) Sneha is planning to install a modular kitchen in her house. Based on this, mention *any two* disadvantages she should consider before taking this decision. [2]
- (iii) Nikhil frequently eats packaged snacks. List *any two* disadvantages of consuming packaged snacks. [2]
- (iv) Give *two* reasons why *budgeting* is important for every family. [2]
- (v) Why are learning disabilities called *hidden disabilities*? [2]
- (vi) Sam bought a tray of eggs from the market. Mention *any two* ways by which Sam can keep the eggs fresh. [2]
- (vii) State *any two* principles of meal planning. [2]
- (viii) List *two* signs that indicate a child's positive social development. [2]
- (ix) Give *two* demerits of **NOT** soaking kitchen towels before washing them. [2]
- (x) Parents must stand as strong pillars in supporting their learning-disabled child. Mention *any two* ways how they can be supportive of their child with learning disability. [2]

SECTION B (60 Marks)

(Answer *any four* questions from this *Section*.)

Question 3

- (i) A newly married couple wants to make a budget for their family. As a Home Science student, guide the couple to choose *any five* factors they should keep in mind while formulating a budget. [5]
- (ii) Observe the picture given below and answer the questions that follow: [5]



- (a) Identify the home furnishing shown in the above picture.
- (b) Besides decoration, list *any two* utilities of the home furnishing mentioned by you in (a) above.
- (c) List *any two* factors to be kept in mind while selecting the above home furnishing.
- (iii) Discuss *any five* features of a cooking area in the kitchen. [5]

Question 4

- (i) Discuss the impact of having friends in the form of gangs during middle childhood. [5]
- (ii) What is the purpose of a peer group? [5]
- (iii) What are the factors affecting the physical development of a child? [5]

Question 5

- (i) After laundering, Ravi's white shirt has got blue patches all over it. What precautions could have solved this problem during the process of blueing? [5]
- (ii) Explain the steps to be followed while laundering a cotton shirt. [5]
- (iii) Write *any five* characteristics of a good laundry soap. [5]

Question 6

- (i) The picture given below is of a theatrical performance popularly used by students and NGOs. Observe the image and answer the questions that follow: [5]



- (a) Name the activity depicted in the picture.
 - (b) Name *two* places where this activity can be performed.
 - (c) Write *two* aims of this activity.
- (ii) Neena is designing a pamphlet for their community project. Suggest *five* effective tips for creating a clear and attractive pamphlet. [5]
- (iii) Write *any five* benefits of using Communication Aids. [5]

Question 7

Write short notes on the following:

- (i) Sun drying as a method of food preservation [5]
- (ii) Emotional development in middle childhood [5]
- (iii) Gender discrimination [5]

Question 8

- (i) Explain *any five* features of the scheme depicted in the image given below. [5]



- (ii) ‘Women empowerment is a social movement through which women can gain power and control their own lives.’ [5]

With reference to the above statement, list *any five* ways by which women can be empowered.

- (iii) According to a recent analysis, the earth is facing an alarming rate of extinction of wildlife, with over 500 land animals likely to be lost within the next two decades. [5]

With reference to the above finding, answer the questions given below:

- (a) What are endangered species?
- (b) List *any two* reasons for species of animals getting endangered.
- (c) Suggest *any two* conservation measures to protect these species.