

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.

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. Kumar has recently retired and wants to get good returns from his savings. Identify the agency in which he can invest his savings:

- (a) Post office
- (b) The Provident Fund
- (c) Gratuity
- (d) The Pension Scheme

- (ii) Observe the picture and identify the specific learning disability the child is suffering from.



- (a) ADHD
- (b) Dysgraphia
- (c) Dyscalculia
- (d) Dyslexia

(iii) Renu's room has light coloured walls. She chooses a plain carpet to match the colour of the walls to bring out _____ and _____.

1. Continuity	3. Richness
2. Spaciousness	4. Contrast

Choose the appropriate combination of words to fill in the blanks.

- (a) 1 and 2
 - (b) 3 and 4
 - (c) 2 and 3
 - (d) 1 and 4
- (iv) Bottled fruit juices do not deteriorate easily as they have a high percentage of:
- (a) Spices
 - (b) Salt
 - (c) Herbs
 - (d) Sugar
- (v) **Statement I:** Sex ratio is well balanced in our country.
- Statement II:** The preference for a male child is still prevalent in our society.
- (a) Statement I is true and Statement II is false.
 - (b) Statement I and II are true.
 - (c) Statement I is false and Statement II is true.
 - (d) Statement I and II are false.

(vi) **Assertion (A):** Lifestyle diseases have become very common in today's world.

Reason (R): Faulty eating habits, obesity, diabetes and other associated disorders have contributed to lifestyle diseases.

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

(vii) Identify the type of fabric which should preferably be washed using the method depicted in the picture.



- (a) Cotton
- (b) Linen
- (c) Silk
- (d) Jute

(viii) Peer group serves as a role model to reinforce positive behaviour during gang age.

- (a) True
- (b) False

- (ix) Choose the relevant statement with reference to the milk and milk products shown below:



- (a) They should be consumed occasionally.
- (b) They are important sources of fibre.
- (c) They are appropriate for all age groups.
- (d) They belong to superfluous food group.
- (x) Rita's mother prepares *papads* during summer. Choose the appropriate technique used by Rita's mother:
- (a) Dehydration
- (b) Pickling
- (c) Sprouting
- (d) Roasting
- (xi) Identify the odd pair:
- (a) Perishable food – semolina and wheat flour
- (b) Semi-perishable food – onion and garlic
- (c) Non-perishable food – honey and sugar
- (d) Convenience food – burger and pizza

(xii) Choose the correct pairs based on the clothing preference of different age groups.

- | | |
|---------------|--|
| A. Men | 1. Delicate and attractive clothes |
| B. Women | 2. Soft and pastel shades |
| C. Youngsters | 3. Clothes with checks or striped patterns |
| D. Infants | 4. Vibrant and trendy clothes |

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

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

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

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

(xiii) A group of friends went camping. They carried a sleeping bag made of synthetic material. Identify the appropriate reason why they chose a sleeping bag made of synthetic material.

(a) It is wrinkle free

(b) It is water resistant

(c) It is heavy

(d) It is delicate

(xiv) The colourless dyes which make white fabric appear whiter and brighter are called _____.

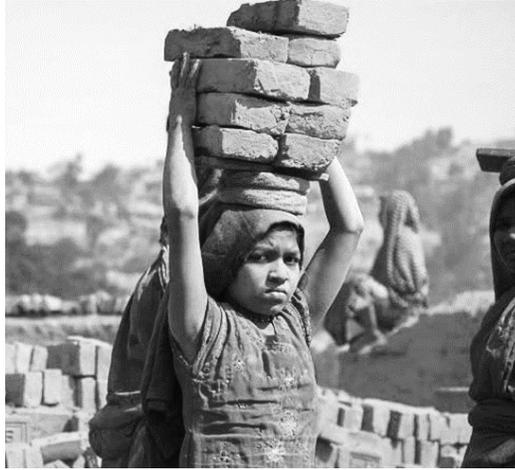
(a) Starches

(b) Blues

(c) Optical brighteners

(d) Detergents

(xv) Identify the type of exploitation depicted in the picture:



- (a) Child labour
- (b) Gender discrimination
- (c) Female infanticide
- (d) Child trafficking

(xvi) Sheetal is designing a kitchen for her new flat. Identify the appropriate features she should look for while selecting a material for the work counter.

1. Resistant to acid stains	3. Fade resistant
2. Heat resistant	4. Porous material

- (a) 1 and 4
- (b) 2 and 3
- (c) 1 and 2
- (d) 3 and 4

(xvii) **Assertion (A):** The Government has taken many initiatives to uplift the people of our country.

Reason (R): PMJDY is a government scheme which aims to guarantee the right to work.

- (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 reason of (A).
- (d) Both (A) and (R) are true and (R) is not the correct reason of (A).

(xviii) A group of Home Science students visited a play school as a part of their practical work. They observed the teacher enacting a story to the students. Choose the appropriate communication aid used by the teacher.

- (a) Street play
- (b) Brochure
- (c) Puppets
- (d) Flyer

(xix) Rohan's mother makes him solve puzzles regularly to improve his _____ development.

- (a) Emotional
- (b) Cognitive
- (c) Social
- (d) Physical

- (xx) Bedsheets used in hotels and hospitals must be boiled to _____ them.
- (a) Disinfect
 - (b) Brighten
 - (c) Soften
 - (d) Stiffen

Question 2

Answer all the questions:

- (i) *A careful planning of a family budget helps us to achieve long term goals.* [2]
Give *two* reasons for planning a realistic budget.
- (ii) *Proper ventilation is one of the major criteria while planning a kitchen.* [2]
List *any two* ways to ensure proper ventilation in the kitchen.
- (iii) List *any two* factors affecting the physical development of a child. [2]
- (iv) Yash's parents take a lot of interest and are responsive towards him. They encourage him to be independent but set balanced boundaries. Identify the type of parenting and write *one* advantage of this method of parenting. [2]
- (v) Sudha wore a red dress for her birthday. She needs to wash it before storing it. [2]
Suggest *any two* precautionary measures that she must take while laundering her dress.
- (vi) *"Good knowledge of seasonal fruits and vegetables is essential for meal planning."* Justify the statement. [2]
- (vii) Ravi consulted a doctor regarding his weight management. The doctor advised [2]
Ravi not to include white sugar, aerated drinks and desserts in his diet. Give *two* reasons for the doctor's advice.

- (viii) Manish opened a boutique in his area. Suggest *any two* appropriate communication aids for Manish to advertise his new boutique so that he can get more customers. [2]
- (ix) Name *any two* government schemes which aim to protect the girl child. [2]
- (x) Neeta plans to go abroad for further studies and needs to purchase appropriate clothing. Which *two* factors should she consider while purchasing readymade garments for herself? [2]

SECTION B (60 Marks)

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

Question 3

- (i) Radha lives in a nuclear family and has a habit of spending lavishly. Suggest *any five* reasons why Radha should start saving for the future. [5]
- (ii) Observe the picture given below and answer the questions that follow: [5]



- (a) Identify the type of carpet shown in the picture above.
- (b) List *one* advantage and *one* disadvantage of the type of carpet identified by you in (a) above.
- (c) Suggest *any two* ways of taking care of carpets.
- (iii) State *any five* characteristics of an ideal kitchen. [5]

Question 4

- (i) Discuss the various cognitive skills observed during gang age. [5]
- (ii) *Schools play an important role in shaping the students as the future citizens of the country.* Justify the statement. [5]
- (iii) Mohan avoids reading tasks because he struggles to comprehend words and sentences in his textbooks. Identify the learning disability and mention *any four* signs of this learning disability. [5]

Question 5

- (i) A balanced diet helps one to lead a long and healthy life. Mention *any five* reasons why a balanced diet is important. [5]
- (ii) *Prior meal planning saves time, money, energy and fuel.* Justify the statement. [5]
- (iii) Mrs. Sheela bought many perishable food items which need to be stored for a period of time. Suggest *any five* precautionary measures that she should take while storing these perishable food items. [5]

Question 6

- (i) Enumerate *any five* steps to follow for laundering a silk scarf. [5]
- (ii) *Festivals hold a special place in our country's customs and traditions.* Discuss *any five* factors to be kept in mind while purchasing clothes for festive occasions. [5]
- (iii) For laundering her home furnishings, Uma wants to use a good quality detergent instead of a soap. Give *any five* reasons why she wants to use a detergent instead of a soap. [5]

Question 7

Write short notes on the following:

- (i) Street play and its importance [5]
- (ii) Impact of women's empowerment in today's world [5]
- (iii) Sanitation and safety measures in the kitchen [5]

Question 8

- (i) List *any five* salient features of PM – JAY. [5]
- (ii) Ali opened a new car showroom. He plans to expand his business across the country. Suggest *any five* points he should keep in mind while designing a brochure for his showroom. [5]
- (iii) *A new study conducted by researchers of International Institute for Population Sciences and other institutions shows air pollution in India poses a significant threat to human health, leading to a substantial rise in mortality observed for all age groups in districts where PM2.5 levels exceed the acceptable limit under National Ambient Air Quality Standard.* [5]

— TOI, August 27, 2024

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

- (a) What is meant by mortality?
- (b) List *any two* effects of pollution on mortality.
- (c) Suggest *any two* ways of curbing the effect of pollution on human population.