

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 the correct answers only.)

- (i) Rajni bought extra products while purchasing groceries for the month and realised that she had overspent. Identify the type of budget.

- (a) Deficit budget
- (b) Surplus budget
- (c) Balanced budget
- (d) Regular budget

- (ii) Modular kitchens are _____ and _____.

1. Space efficient	3. Cost-efficient
2. Maintenance free	4. Flexible

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

- (iii) **Statement I:** Balanced diet is important for all age groups.

Statement II: A balanced diet enhances immunity and promotes good health.

- (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.

- (iv) Identify the type of development depicted in the given picture:



- (a) Emotional development
 - (b) Physical development
 - (c) Social development
 - (d) Cognitive development
- (v) Rahul's teacher complained to his parents about his bullying nature. Which of the following traits are seen in Rahul?
- (a) Shy, sensitive and passive
 - (b) Anxious and unhappy
 - (c) Physically weak
 - (d) Breaks rules
- (vi) Pick the odd pair out.
- (a) *Aapki Beti Hamari Beti* – Protection of the girl child
 - (b) PMJDY – Providing income generating assets
 - (c) PM-JAY – Health Insurance Scheme
 - (d) POCSO Act – Prevention of sexual offences

- (vii) Rashmi has washed her woollen sweater and wants to store it. Identify the most suitable finishing method that Rashmi should adopt.



- (a) Pressing
 - (b) Ironing
 - (c) Steaming
 - (d) Calendaring
- (viii) **Assertion (A):** Readymade clothes are convenient.
Reason (R): They save time and effort in tailoring allowing consumers to do last minute purchase.
- (a) (A) is true but (R) is false.
 - (b) (A) is false but (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 and (R) is not the correct explanation of (A).
- (ix) **Assertion (A):** Foods rich in proteins and fats have a higher satiety value.
Reason (R): A meal must keep you full for 3 – 4 hours.
- (a) (A) is true but (R) is false.
 - (b) (A) is false but (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 and (R) is not the correct explanation of (A).

- (x) Identify the type of floor covering given in the image.



- (a) Area rug
- (b) Wall to wall carpet
- (c) Scatter rug
- (d) Runner
- (xi) Choose the correct pair based on the principles of meal planning.
- | | |
|---------------------------------|------------------------------|
| A. Low budget | 1. Enhances nutritive value |
| B. Knowledge of cooking methods | 2. Prevents spoilage of food |
| C. Sprouting | 3. Alternate sources of food |
| D. Proper storage | 4. Retains maximum nutrients |
- (a) A-2, B-4, C-1, D-3
- (b) A-4, B-3, C-2, D-1
- (c) A-3, B-2, C-2, D-4
- (d) A-3, B-4, C-1, D-2

- (xii) Choose the appropriate characteristics of the child depicted in the picture.



1. Loses focus of tasks very easily
 2. Likes doing quiet activities
 3. Is able to follow instructions
 4. Displays excessive amount of activity
- (a) Only 1
- (b) Both 1 and 4
- (c) Both 2 and 3
- (d) Only 4
- (xiii) Fruits and vegetables that have red or purple colour should be preserved by the use of sodium benzoate.
- (a) True
- (b) False
- (xiv) Seema bought canned fruits and vegetables to take along with her for her hiking trip as they have a long shelf life. The process used in canning for longer preservation of foods is:
- (a) Radiation
 - (b) Carbonation
 - (c) Sterilisation
 - (d) Pasteurisation

- (xv) Brochures are concise and visually appealing documents. Identify the appropriate feature of a brochure.
- (a) They are inexpensive
 - (b) They are usually designed in a threefold format
 - (c) They can be inserted in newspapers
 - (d) They are used for advertising vacancies.
- (xvi) Carbon footprint relates to the amount of greenhouse gases produced in our day-to-day lives. _____ is an example of Primary Carbon Footprint.
- (a) Ready meals
 - (b) Drinking only bottled water
 - (c) Home appliances permanently switched on
 - (d) Eating large quantities of red meat
- (xvii) Growth is:
- (a) related to heredity
 - (b) a qualitative change
 - (c) continuous
 - (d) related to the environment
- (xviii) As a part of their Home Science practical, a group of students visited a soap factory where they observed the process of manufacturing soaps. The process of making soaps is called:
- (a) Esterification
 - (b) Distillation
 - (c) Carbonation
 - (d) Saponification

(xix) Susanne wanted to purchase good quality clothes which ensures good serviceability. The quality that Susanne was looking for in the clothes was _____.

- (a) The colour fastness of a fabric
- (b) The maintenance required for a fabric
- (c) The durability of the fabric
- (d) The stretchability of a fabric

(xx) Mr. Kumar is planning to construct a new house. The two main factors that Mr. Kumar has to consider while planning the size of the kitchen in his house are:

1. The available space in the house plan.
 2. The materials used in the kitchen.
 3. The number of persons for whom the food has to be cooked.
 4. The ventilation in the kitchen.
- (a) Only 1
 - (b) Only 2
 - (c) Both 1 and 3
 - (d) Both 2 and 4

Question 2

Answer all the questions:

- (i) Mr. Varghese is going to retire soon and wants to invest his money. Mention *two* agencies in which he can invest his money. [2]

- (ii) Mrs. Zainab wants to have an open kitchen in her newly constructed house. [2]
Give *any two* reasons why she does not want to have doors for her kitchen.
- (iii) Mrs. Neena recently moved into a rented house which had a low ceiling. [2]
Mention the pattern of curtains and draperies that Mrs. Neena should choose to hide the architectural defect.
- (iv) Define emotional development. [2]
- (v) Madhu prefers to buy nuts in small quantities. What could be the two reasons [2]
for her preference?
- (vi) Sudha went to the market to purchase green leafy vegetables. What two factors [2]
should Sudha take into consideration while purchasing green leafy vegetables.
- (vii) Shobha prefers to eat a variety of fruits instead of drinking bottled fruit juices. [2]
State *any two* reasons for Shobha's preference.
- (viii) Name any two causes of environmental degradation that is disrupting our [2]
ecosystem.
- (ix) List *any two* eligibility criteria of PMJDY. [2]
- (x) Give *two* suggestions for parents and teachers for improving communication [2]
skills with children.

SECTION B (60 Marks)

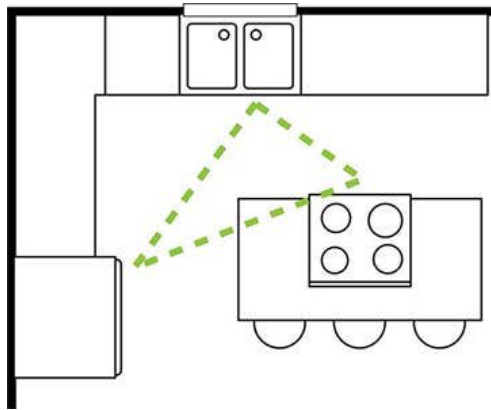
(Answer *any four* questions from this *Section*.)

Question 3

- (i) A newly married couple would like to design their living room with an [5]
appropriate choice of furnishing. Discuss *any five* factors that the couple have
to keep in mind while purchasing furnishing for their room.

(ii) Mr. Sharma wants to prepare a family budget. Suggest *any five* factors that Mr. Sharma should consider while planning the family budget. [5]

(iii) Observe the diagram given below and answer the questions that follow: [5]



- (a) Name the imaginary line which connects the work centers of the kitchen.
- (b) State *two* criteria to be kept in mind while designing this imaginary line.
- (c) List *two* precautionary measures to be taken to make your kitchen flooring safe and secure.

Question 4

(i) “*Early intervention by parents, teachers and professionals helps the child to develop skills.*” List out *any five* signs of learning disability that parents and teachers can recognise in high school children. [5]

(ii) Discuss the role of parents in being sensitive towards children with learning disability. [5]

(iii) Explain how peer groups can have positive influence in a child’s behaviour. [5]

Question 5

- (i) A balanced diet plays an important role in ensuring comprehensive nutrition. [5]
With respect to this, give the nutritional contribution of the five food groups.
- (ii) State *any five* disadvantages of convenience food. [5]
- (iii) Meenakshi purchased fruits for her family and kept it in the fruit bowl. After [5]
two days she observed that the fruits were spoilt. State *any five* reasons for the
spoilage of fruits.

Question 6

- (i) Sheela's blue synthetic dupatta was dirty. Discuss the steps that Sheela has to [5]
follow during the laundry process.
- (ii) Rajani wants to purchase a good laundry soap to wash her clothes. Mention *any* [5]
four characteristics that she should look for while purchasing the laundry soap.
Name a natural cleaning agent other than the soap.
- (iii) Sunitha starches her cotton sarees frequently to make it look better. List any [5]
five benefits of starching cotton clothes to make it look better.

Question 7

Write short notes on the following:

- (i) Uses of communication aids [5]
- (ii) Gender discrimination [5]
- (iii) Selection of carpets [5]

Question 8

(i) State *any five* features of MNREGA. [5]

(ii) *India is now the world's most populous nation and it is still growing. Population explosion has constituted a threat to humanity and development.* [5]

— *www.npr.org*, 8/6/2023

(a) What do you mean by population explosion?

(b) State *any two* causes of population explosion.

(c) List *any two* problems related to population explosion the world is facing today.

(iii) Your school is organising a carnival to raise funds for an orphanage. You have [5]
been entrusted with the task of designing a pamphlet. Identify *any five* key
elements that you will implement in making an effective pamphlet.