



**DELHI PUBLIC SCHOOL NEWTOWN**  
**SESSION 2023-2024**  
**FINAL EXAMINATION**

**CLASS: IX**  
**SUBJECT: HOME SCIENCE [SET A]**

**FULL MARKS: 100**  
**TIME: 2 HOURS**

*Answers to this paper must be written on the paper provided separately.  
You will not be allowed to write during the first 15 minutes.  
This time is to be spent in reading the question paper.  
The time given at the head of this paper is the time allowed for writing the answers.*

*Attempt all questions from Section A and any four questions from Section B.  
The intended marks for questions or parts of questions are given in brackets [ ].  
This paper contains five printed pages.*

**SECTION A**  
*Attempt all questions*

**Question 1**

[1x20=20]

**Choose the correct answer and write the correct option:**

**Multiple choice questions:**

- 1] Be assertive means [1]  
a. Not willing to communicate  
b. Not willing to listen  
c. Willing to communicate  
d. Willing to listen
- 2] Choose the odd pair. [1]  
a. Encode- Information  
b. Decode-Interpret words gesture  
c. Channel-Medium  
d. Receiver-Receives message
- 3] ASSERTION (A): Plain weave is the simplest and very commonly used weave. [1]  
REASON(R): Fabrics with plain weave is characterized by diagonal lines on the face of the fabric.  
Identify the correct statement:  
a. A is false but R is true.  
b. A is true but R is false.  
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.
- 4] Ravi wants to buy an absorbent, insulating, durable fabric to make a shirt for himself. [1]  
He will select the fabric which has \_\_\_\_\_.  
a. Twill Weave  
b. Pile Weave  
c. Plain Weave  
d. Satin Weave

- 5] Choose the correct pair [1]  
 a. Pulses-Whole grains  
 b. Fruits and vegetables-Carbohydrates  
 c. Chocolates- Protein  
 d. Saturated fats-Healthy
- 6] This test identifies the natural fibers more easily compared to synthetic ones. [1]  
 a. Appearance Test  
 b. Microscopic Test  
 c. Burning Test  
 d. Floating Test
- 7] Choose the correct pair [1]  

A. Ricket	1.Vitamin C
B. Scurvy	2.Vitamin D
C. Anaemia	3.Iodine
D. Goiter	4. Iron

  

a. A-2,	B-1,	C-3,	D-4
b. A-2,	B-1,	C-4,	D-3
c. A-3,	B-4,	C-1,	D-2
d. A-4,	B-1,	C-2,	D-3
- 8] Mrs. Sengupta is suffering from loss of memory and confusion. Doctor diagnosed the disease as \_\_\_\_\_. [1]  
 a. Dermatitis  
 b. Down syndrome  
 c. Dementia  
 d. Depression
- 9] Smita has infection in the epithelial surface of eyes, respiratory tract, lungs, urino-genital tract. Which vitamin deficiency she has? [1]  
 a. Vitamin D  
 b. Vitamin K  
 c. Vitamin E  
 d. Vitamin A
- 10] This method in pre- primary schools first focuses on gross motor development [1]  
 a. Kindergarten method  
 b. Constructive method  
 c. Montessori method  
 d. Logical method
- 11] Which option is true? [1]  
 Sociology.....  
 1. Helps in understanding the details of internal organs.  
 2. Helps in understanding the physiology of human being.  
 3. Helps in understanding community method in a better way.  
 4. Helps insight of proper upbringing of children.  
 a. 1 and 3  
 b. 1 and 2

- c. 2 and 4
- d. 1 and 4

- 12] Choose the odd pair [1]  
a. Diphtheria-Corynebacterium  
b. Whooping cough- Clostridium Tetani  
c. Chicken Pox-Varicella zoster  
d. Tuberculosis- Mycobacterium Tuberculosis
- 13] Which is not true about rayon fiber? [1]  
a. It has a close resemblance to silk.  
b. It is used as winter wear.  
c. It is a regenerated fiber.  
d. It is made from purified cellulose.
- 14] This is first human made plastic. [1]  
a. Plasto  
b. Plastiko  
c. Parkensine  
d. Poly vinyl
- 15] ASSERTION (A): Overloading by using a number of appliances at a time may cause a fire. [1]  
REASON(R): Use of “octopus” connections and adapters.  
Identify the correct statement:  
a. A is false but R is true.  
b. A is true but R is false.  
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.
- 16] The entrance of the house should have [1]  
a. Localized lighting  
b. General lighting  
c. Artificial lighting  
d. Indirect lighting
- 17] Which is not true. [1]  
a. Bathrooms should have general illumination.  
b. Bedrooms can have task light.  
c. Living room can have task light.  
d. Kitchen must always have a direct light.
- 18] Choose the correct option. [1]  
1. Yellow, red, blue form triadic colour.  
2. Blue and orange form tetrad colour scheme.  
3. Yellow, red purple and blue purple form split-complementary colour.  
4. Red-orange and red-purple form complementary colour scheme.  
a. 1 and 2  
b. 2 and 3  
c. 1 and 3

#### 4. 2 and 4

- 19] Which is the health benefit of mint? [1]  
a. Strengthens the liver.  
b. Improves blood circulation.  
c. Promotes weight loss  
d. Reduces high cholesterol.
- 20] Two tableware knives used to mix cold fat with flour is called [1]  
a. Blending  
b. Dusting  
c. Cut and fold in  
d. Mashing

#### Question 2

Answer all the questions:

[2x10=20]

- 1] At which age children start using telegraphic language? How will parents help the children improve this language? [2]  
2] Name two activities for quiet play which will help children to think and reason. [2]  
3] Shibu's mom wants him to occupy social play. Give reason. [2]  
4] Give the scientific reason, why the regulating valve of the cylinder should be closed after each use? [2]  
5] How does an earth wire ensure safety in a home? [2]  
6] Differentiate white light and yellow light. [2]  
7] Describe the cutting method which Meera will use to cook faster. [2]  
8] Seema has ear and toothache. Which home remedy will help her get rid of her pain? [2]  
9] Classify different foods according to ICMR. [2]  
10] Define the function of fat that is termed as 'shortening'? [2]

#### SECTION B (60 Marks)

(Answer any four questions from this Section)

#### Question 3.

- i] Except woollen garments, Mr. Sharma wants to expand his business in producing other things from woollen fiber. Mention 5 points to help him in his business. [5]  
ii] Describe the E-waste in community level. [5]  
iii] Sonia wants to eat well and feel healthy. As a nutritionist what advise you will give her under the eight points plan for a healthy diet. [5]

#### Question 4.

- i] Differentiate between organic and inorganic wastes. [5]  
ii] Explain the key components of the nature of communication. [5]

**iii] Enumerate the structural characteristics of fibers. [5]**

**Question 5.**

**i] Neeta is a house wife. Mention any 5 points she should keep in mind to recycle some commonly used domestic products. [5]**

**ii] Reena loves to wear clothes made from cotton fiber and Sarita loves to wear Polyester. Differentiate both the fiber based on their physical properties. [5]**

**iii] How will Mrs. Hossain replace various conventional products with an environmental friendly one? [5]**

**Question 6.**

**i] Reeta went for her grocery shopping. Mention 5 points she should follow to reduce waste while shopping. [5]**

**ii] Discuss 5 thermal properties of wool. [5]**

**iii] Enumerate the difference between plain weave and satin weave. [5]**

**Question 7.**

**i] List the various aspects of Home Science. Explain any one. [5]**

**ii] Name the 5 groups of wastes. Explain any two of them. [5]**

**iii] Explain three types of beriberi. [5]**

**Question 8.**

**Communication is essential for information, motivation and establish authority and control and allows for emotive expression.**

**i] Enumerate the functions of communication? [5]**

**ii] Describe the five elements of communication. [5]**

**iii] Define inter-personal communication. [5]**