



# DELHI PUBLIC SCHOOL NEWTOWN

SESSION 2022-2023

## 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 consists of six printed pages.*

### SECTION A

*Attempt all questions*

#### Question 1

[1x20=20]

Choose the correct answer and write the correct option:

- (i) Identify the type of weave.

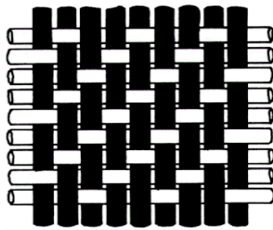


Diagram 7: Drawing of a twill weave

- (a) Plain weave  
(b) Spot weave  
(c) Twill weave  
(d) Satin weave
- (ii) David Berlo says that the purpose of communication is to
- (a) Instruct  
(b) Influence  
(c) Integrate  
(d) Inform

- (iii) These are horizontal yarns or perpendicular to the selvedge.
- (a) Warp yarn
  - (b) Weft yarn
  - (c) Felt
  - (d) Thread
- (iv) It is the physical property of silk.
- (a) Resistant to the mildew, moth
  - (b) Poor conductor of heat
  - (c) Dyes and print well
  - (d) Stretches with ironing
- (v) Cooking gas is also known as
- (a) Mineral gas
  - (b) Fossil gas
  - (c) Organic gas
  - (d) Coal
- (vi) The application of organic and inorganic material to the soil is called\_\_\_\_\_.
- (a) Contour farming
  - (b) Desalination
  - (c) Mulching
  - (d) River osmosis
- (vii) \_\_\_\_\_ is a good conductor of electricity.
- (a) Earth
  - (b) Water
  - (c) Metal
  - (d) Plastic
- (viii) Which is not an agricultural waste?
- (a) Rice husk
  - (b) Coconut shell
  - (c) Molasses
  - (d) Saw dust

(ix) \_\_\_\_\_ light causes discomfort, eye fatigue.

- (a) Indirect lighting
- (b) Local lighting
- (c) Direct lighting
- (d) Accent lighting

(x) Natural gas is formed when \_\_\_\_\_

- (a) Minerals under the earth come in contact with different gases.
- (b) Layers of decomposed plants and animals' matter are exposed to intense heat.
- (c) Different gases heated up underground.
- (d) Various metals get heated under the earth.

(xi) Identify the correct term for this type of water conservation.



- (a) Rain collection
- (b) Rain water pumping
- (c) Rain water harvesting
- (d) Rain conservation

(xii) We should make our cooking gas last longer with

- (a) Let the flame in higher position
- (b) Flame should go beyond the bottom of the pan.
- (c) Using of vessel according to the size of the burner.
- (d) Avoid covering the vessel while cooking.

- (xiii) Fission means the process in which\_\_\_\_\_.
- (a) CFL and LED bulbs convert electricity to visible lights.
  - (b) Fossil fuels are burnt to produce electricity.
  - (c) Nuclear energy is produced by splitting unstable uranium atoms
  - (d) Nuclear energy is used to produce uranium atoms.
- (xiv) 'Some diseases are chronic' (Chose the correct meaning of this statement.)
- (a) Avoiding diseases in various ways.
  - (b) Diseases present in the body with confused symptoms.
  - (c) Diseases continually present symptomatically during a long duration.
  - (d) Symptoms of diseases occur sometimes.
- (xv) This disease can cause a miscarriage or serious birth defects in an unborn baby if a woman is infected while pregnant
- (a) Rubella
  - (b) Diphtheria
  - (c) Pertussis
  - (d) Polio
- (xvi) Deficiency of thiamine is called\_\_\_\_\_.
- (a) Anaemia
  - (b) Beriberi
  - (c) Scurvy
  - (d) Ricket
- (xvii) Tick the element of communication.
- (a) Message
  - (b) Personality
  - (c) Background
  - (d) Experience

- (xviii) Which of the following is not included in 7Cs'for effective speaking?
- (a) Conciseness
  - (b) Concreteness
  - (c) Courtesy
  - (d) Concept
- (xix) The ability to connect dots, link thoughts, thinking critically is called\_\_\_\_\_.
- (a) Communicative reading
  - (b) Deep reading
  - (c) Clear reading
  - (d) Complete reading
- (xx) This spice treats diarrhea.
- (a) Clove
  - (b) Ginger
  - (c) Asofoetida
  - (d) Cardamom

## **Question 2**

**Answer all the questions:**

- (i) Why vitamins should be supplied in adequate amount with diet [2]
- (ii) Mention the two roles of vitamins in human nutrition. [2]
- (iii) Which all factors are responsible for the destruction of the Ascorbic acid in the food. [2]
- (iv) What are the new opportunities of employment provided to the home science Students study extension education. [2]
- (v) Specify any two health benefits of herbs and spices. [2]
- (vi) What causes life style diseases? [2]
- (vii) Give any two reasons why a family must have one meal a day. [2]
- (viii) Specify any two health benefits of clove. [2]
- (ix) Explain the disease osteomalacia. [2]
- (x) Mention the function and sources of iodine. [2]

**SECTION B (60 Marks)**  
(Answer any four questions from this Section)

**Question 3**

- (i) Describe any five elements of communication. [5]
- (ii) Explain any two types of weaves. [5]
- (iii) Discuss the environmental issues related to plastic wastes. [5]

**Question 4**

- (i) Explain any five techniques used to reduce the demand for water. [5]
- (ii) Describe how food and nutrition topic is related to Home Science. [5]
- (iii) Enumerate and explain the two types of related colour scheme. [5]

**Question 5**

- (i) Compare the physical properties of cotton and wool. [5]
- (ii) Enumerate and explain the five fundamental functions of communication. [5]
- (iii) Describe the common tests used for the identification of fibres. [5]

**Question 6**

- (i) Explain the three types of beriberi. [5]
- (ii) Discuss the characteristics of physical development of human being. [5]
- (iii) Describe the three diseases for which MMR vaccine is given to the children within 1 year to 12 years of age. [5]

**Question 7**

- (i) Mention any five basic principles which are useful for a playschool teacher. [5]
- (ii) List the 5 advantages of L.P.G. [5]
- (iii) What are the advantages of recycling of wastes. [5]

**Question 8.**

- (i) Write a short note on Swachh Bharat Abhiyan. [5]
- (ii) Explain any one decorative fabric and its construction method. [5]
- (iii) Explain the five main components of the nature of communication. [5]