



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.

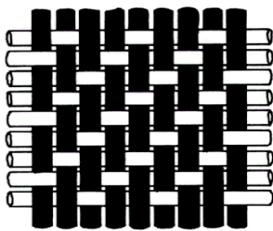


Diagram 7: Drawing of a twill weave

- (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]