



DELHI PUBLIC SCHOOL NEWTOWN

SESSION 2023-2024

HALF YEARLY 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 six printed pages.

SECTION A

Attempt all questions

Question 1

[1x20=20]

Choose the correct answer and write the correct option:

- (i) It is a field of Home Science.
(a) History
(b) Sociology
(c) Textile and clothing
(d) Psychology
- (ii) The abilities the most children are able to do at certain age is called
(a) Cognitive development
(b) Milestones
(c) Motor development
(d) Mental development
- (iii) The enzyme Prothrombin is synthesized by _____.
(a) Blood cells
(b) Kidney
(c) Liver
(d) Tissues

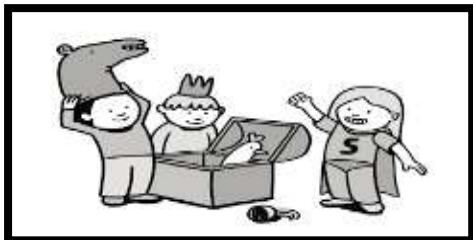
- (iv) The other name of Osteomalacia is
- (a) Scurvy
 - (b) Dry Beriberi
 - (c) Adult Ricket
 - (d) Pellagra
- (v) Tetanus is caused by this virus
- (a) **Bordetella** virus
 - (b) **Mycobacterium**
 - (c) **Clostridium** Tetani
 - (d) **Varicella zoster** virus
- (vi) This vitamin is present in vegetables in the form of carotenoids.
- (a) Vitamin A
 - (b) Vitamin D
 - (c) Vitamin E
 - (d) Vitamin K
- (vii) Object permanence means
- (a) The ability of not forgetting the existence of food
 - (b) The ability of not forgetting the existence of mother
 - (c) The ability of not forgetting the existence of grandparents
 - (d) The ability of not forgetting the existence of toys
- (viii) Iodine is needed for the functioning of_____
- (a) Stomach
 - (b) Thyroid gland
 - (c) Pituitary gland
 - (d) Lungs

- (ix) Ability to discriminate between good and bad, indicates
- (a) Social development
 - (b) Moral development
 - (c) Emotional development
 - (d) Language development
- (x) Deficiency of iron leads to
- (a) Anaemia
 - (b) PEM
 - (c) Mumps
 - (d) Night blindness
- (xi) Deficiency of this vitamin causes reproductive failure, skin changes and deformities.
- (a) Vitamin E
 - (b) Vitamin K
 - (c) Vitamin C
 - (d) Both Vitamins C and K
- (xii) This mineral makes the tooth enamel more resistant to the action of acid.
- (a) Iodine
 - (b) Fluorine
 - (c) Iron
 - (d) Phosphorus
- (xiii) This play is also known as independent play.
- (a) Solitary play
 - (b) Constructive play
 - (c) Active play
 - (d) Fantasy play

(xiv) Tuberculosis can be prevented with the vaccine.

- (a) DTaP
- (b) MMR
- (c) BCG
- (d) Varicella

(xv) Identify the type of play



- (a) Constructive play
- (b) Dramatic play
- (c) Quiet play
- (d) Cooperative play

(xvi) The first phase of pre-natal development is called _____ stage.

- (a) Embryo
- (b) Fetus
- (c) Zygote
- (d) Germinal

(xvii) Vitamin C in the food can be destroyed due to

- (a) Cool environment
- (b) Exposure to heat
- (c) Insolubility in water
- (d) Exposure to air

(xviii) Identify the odd pair.

- (a) Chemistry-Stain removal
- (b) Biology-Electrical appliances
- (c) Communication and extension-Public relation
- (d) Preschool-Anganwadi

- (xix) Choose the correct pair.
- (a) Ricket-Vitamin B
 - (b) Xeroderma-Vitamin A
 - (c) Scurvy-Vitamin A
 - (d) Night blindness-Vitamin K
- (xx) The subject of Home Science was first introduced by
- (a) M.S. Gaekwad
 - (b) Warren Hastings
 - (c) Savitri Bai Phule
 - (d) Lord Bentink

Question 2

Answer all the questions:

- (i) What is a balanced diet? [2]
- (ii) Write a short on ricket. [2]
- (iii) Explain Protein sparing action in the body. [2]
- (iv) Give name of two sources of each fat soluble vitamins? [2]
- (v) Describe cooperative play. [2]
- (vi) Name any two diseases for which MMR Vaccine is given to the children. [2]
- (vii) Mention two benefits of the study of Home Science. [2]
- (viii) Specify any two functions of Calcium. [2]
- (ix) How does food provide the social need of a person? [2]
- (x) Write a short note on cognitive development? [2]

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

Question 3.

- (i) Mention any five importance of immunization. [5]
- (ii) Name five types of play school. Explain any two of them. [5]
- (iii) Describe the characteristics of physical development. [5]

Question 4.

- (i) Discuss any five principles of growth and development. [5]
- (ii) Briefly explain dimensions of health. [5]
- (iii) Describe any two basic cookery terms used during cooking. [5]

Question 5.

- (i) Food is vital for performing various functions. State five physiological functions of food. [5]
- (ii) Enumerate the classification of protein. [5]
- (iii) Explain the health benefits of any two herbs and two spices.. [5]

Question 6.

- (i) Name a disease caused due to the deficiency of vitamin C and mention any four symptoms. [5]
- (ii) Explain any five functions of fat. [5]
- (iii) Describe any two childhood diseases with their vaccines. [5]

Question 7.

- (i) Why regulatory foods are important for our body? [5]
- (ii) Mention any five characteristics of language development in a child between 3 to 5 years of age. [5]
- (iii) Explain three types off beriberi. [5]

Question 8.

- (i) Mention five functions of phosphorus in the body. [5]
- (ii) Explain three stages of prenatal development. [5]
- (iii) Mention any five basic principles useful for the teacher in pre-school. [5]