



DELHI PUBLIC SCHOOL NEWTOWN

SESSION 2020-2021

HALF-YEARLY EXAMINATION (ONLINE)

CLASS: IX

FULL MARKS: 60

SUBJECT: HOME SCIENCE

TIME: 1.30 HOURS

Instructions:

- Answer all questions from Section A and Section B and any two questions from Section C.
- This paper consists of 3 printed pages.
- The intended marks for questions or parts of questions are given in brackets [].
- All working including rough work must be clearly shown on the same sheet as the rest of the paper.

SECTION A (20 Marks)

Attempt all questions from this Section

Question 1

[5x1=5]

Give reasons for the following:

- a) One must read the labels while choosing clothes.
- b) Titanium di-oxide is used for spinning solution of rayon.
- c) Beriberi is caused by intake of polished cereals.
- d) Include variety of colourful fruits, vegetables, grains and pulses in the diet.
- e) Turmeric is considered as the most powerful herb.

Question 2

[5x1=5]

Justify the statements:

- a) Management covers the entire success of Home Science.
- b) The body requires nutrients for energy.
- c) We must include fluorine in our diet.
- d) Cotton is a popular fibre.
- e) Winter clothing should be dark, bright and warm.

Question 3**[5x1=5]****Give one word answer:**

- a) Name the wool composed of this protein.
- b) This is a chemical process which is given to the fabric to increase lustre.
- c) This is needed for the normal functioning of intestine and bowel movements.
- d) Employment in which one works for another organization and receives salary.
- e) This is the diet which provides all the nutrients according to the requirement of the body.

Question 4**[5x1=5]****Give solution for the following:**

- a) Cleaning of soiled white cotton fabric.
- b) Water is constantly lost from the body in the form of perspiration and urine.
- c) Child suffering from ricket.
- d) Person suffering from lifestyle diseases due to over-nutrition and under-nutrition.
- e) Taking care of children up to 12 years those who have working mothers.

SECTION B (20 Marks)*Attempt all questions from this Section***Question 5****[5 x 2=10]**

- a) Define the two sets of yarns?
- b) Explain the considerations in selecting clothes for an infant.
- c) Enumerate the different uses of yarn and thread.
- d) Explain the eye diseases happen due to Vitamin A deficiency.
- e) Describe any two spices with two health benefits each.

Question 6**[5x2=10]**

- a) Define ‘Home Science’.
- b) What do you mean by “spun fabric”?
- c) Enumerate two physiological functions of food.
- d) State any two advantages of using herbs and spices.
- e)) Classify different types of protein?

SECTION C (20 Marks)

Attempt any TWO questions from this Section

Question 7

[5+5=10]

- a) Explain any five of the eight point plan for a healthy diet.
- b) Give a brief comparison between Kwashiorkor and Marasmus.

Question 8

[5+5=10]

- a) Mention various aspects of family life integrated by Home Science?
- b) Classify carbohydrates with their examples?

Question 9

[5+5=10]

- a) Mention any five functions of protein.
- b) Define self -employment. Describe any positive points about Self-employment.

Question 10

[5+5=10]

- a) What is cotton textile? Mention its various uses in the day to day life of a person.
- b) Name two protein fibres. Describe physical and chemical properties of any one of the protein fibres.