

Total No. of Printed Pages—7

HS/XII/A. Sc/HSc/23

2 0 2 3

HOME SCIENCE

(Theory)

Full Marks : 70

Time : 3 hours

The figures in the margin indicate full marks for the questions

General Instructions :

- (i) Write all the answers in the Answer Script.
- (ii) Attempt Part—A (Objective Questions) serially.
- (iii) Attempt all parts of a question together at one place.

(PART : A—OBJECTIVE)

(Marks : 30)

A. Choose and write the correct answer :

1×6=6

1. FPO mark can be seen on the products like

- (a) jam and jellies
- (b) canned foods
- (c) electrical appliances
- (d) Both (a) and (b)

(2)

2. The right to redressal means the right of a consumer to
 - (a) a fair settlement and compensation for faulty goods
 - (b) make representation against any malpractice
 - (c) have access to a variety of products
 - (d) be protected against harmful products

3. Stain caused by milk is
 - (a) vegetable stain
 - (b) grease stain
 - (c) animal stain
 - (d) All of the above

4. Potassium permanganate is the most effective agent for bleaching
 - (a) grease stain
 - (b) perspiration stain
 - (c) blood stain
 - (d) None of the above

(3)

5. Which one of the following is an energy-yielding food?

- (a) Fish
- (b) Green-leafy vegetables
- (c) Dried fruits and nuts
- (d) Green tea

6. The daily dietary requirement (according to ICMR-2020) of infants of 6–12 months old in terms of calories is

- (a) 680 calories
- (b) 400 calories
- (c) 200 calories
- (d) 100 calories

B. Fill in the blanks :

1×6=6

1. The _____ Programme was started in collaboration with CARE.
2. A mineral required for the proper functioning of thyroid gland is _____.

(4)

3. Silk is a _____ fibre.
4. The liberation of oxygen is the basic principle of _____ bleaches.
5. Green vegetables are the rich sources of vitamin _____.
6. The full form of UNICEF is United Nations _____.

C. Write whether the following statements are True or False :
1×3=3

1. DRDA is responsible for the implementation of TRYSEM.
2. Cotton is a cellulose fibre.
3. Iron is a mineral constituent of bones.

(5)

D. Match *Column—A* with *Column—B* :

1×3=3

Column—A

Column—B

- | | |
|----------------------------|-----------------|
| 1. Calcium deficiency | (a) ICDS |
| 2. Supplementary nutrition | (b) Kwashiorkor |
| 3. Ignites abruptly | (c) Rickets |
| | (d) Cotton |
| | (e) Rayon |

E. Write on the following in not more than 5 sentences each :

2×6=12

1. Intentional Food Adulteration
2. Reducing bleaches
3. Balanced diet
4. Properties of cotton
5. Vitamin C deficiencies
6. Objectives of ICDS

(6)

(PART : B—DESCRIPTIVE)

(Marks : 40)

F. Answer any *one* of the following : 12

1. (a) Explain the principles of community development. 8
(b) What are the main objectives of community development? 4
2. (a) Discuss the different rights of a customer. 6
(b) Write briefly on Adult Education Programme. 6
3. (a) Write on the importance and layout of kitchen gardening. 4+4=8
(b) Explain how compost pit can be made. 4

G. Answer any *two* of the following : 7×2=14

1. Classify fibre on the basis of its origin and length. $3\frac{1}{2}+3\frac{1}{2}=7$
2. Write about the classification of bleaches. Explain the different types of bleaches with examples. 3+4=7
3. Describe the different types of stains. Explain how to remove (a) curry stain and (b) lipstick stain. 3+(2+2)=7

(7)

4. Give the classification of yarns and explain the types of yarns. 3+4=7

5. List the different types of sewing equipments. Explain about the cutting equipments with the help of diagrams. 2+5=7

H. Answer any *two* of the following : 7×2=14

1. Classify foods according to the various food groups. 7

2. Define malnutrition. Enumerate the different causes of malnutrition. 2+5=7

3. (a) Give the differences between balanced diet and therapeutic diet. 3½

(b) Write about the nutritional requirements during infancy (0–2 years). 3½

4. What are vitamins? Write about the importance and food sources of vitamin D. 2+(2½+2½)=7

5. (a) Write in brief about the reasons why we cook food. 2

(b) What are the different methods of food preparation? Explain each in detail. 5

★ ★ ★