

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

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