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HS/XII/A.Sc/HSc/24

2024

## **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-type 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 :  $1 \times 6 = 6$

1. AGMARK grading includes
  - (a) electrical appliances
  - (b) agricultural products
  - (c) laboratory equipments
  - (d) furnishing

( 2 )

2. Integrated Child Development Services was started on
  - (a) 1st October, 1974
  - (b) 2nd October, 1975
  - (c) 3rd October, 1978
  - (d) 4th October, 1980
3. The bleaching agent acts as an antiseptic and deodorant is
  - (a) sodium perborate
  - (b) hydrogen peroxide
  - (c) sodium hypochlorite
  - (d) None of the above
4. Blood stain is an example of
  - (a) animal stain
  - (b) vegetable stain
  - (c) grease stain
  - (d) dye stain

( 3 )

5. RDA of iron for infant is

- (a) 1 mg/kg
- (b) 1.5 mg/kg
- (c) 2 mg/kg
- (d) 2.5 mg/kg

6. Which of the following is categorized under food guide 3?

- (a) Eggs
- (b) Fruits
- (c) Pulses
- (d) Nuts and oilseeds

**B.** Fill in the blanks :

$1 \times 6 = 6$

1. Mid-day Meal Programme comes under the Ministry of \_\_\_\_\_.
2. Community development is \_\_\_\_\_ and locally organized self-help group.

( 4 )

3. \_\_\_\_\_ fibres are short and measurable in inches.
  
4. Yarns are fibres laid or twisted by a process called \_\_\_\_\_.
  
5. \_\_\_\_\_ is a quick method of cooking because of the high temperature that is used.
  
6. Vitamin E is a \_\_\_\_\_ vitamin.

**C.** Write whether the following statements are *True* or *False* :

$1 \times 3 = 3$

1. Special Nutrition Programme was started to provide food to children of age group 1–6 years.
  
2. Under the microscope silk fibre appear to be irregular in shape.
  
3. A level of 300 IU of vitamin D is suggested as dietary allowances for Indian children.

( 5 )

**D.** Match *Column—A* with *Column—B* :  $1 \times 3 = 3$

*Column—A*

*Column—B*

1. ISI mark	(a) Natural fibre
2. Polyester	(b) Synthesis of proteins
3. Vitamin C	(c) Ascorbic acid
	(d) Synthetic fibre
	(e) Food standard

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

$2 \times 6 = 12$

1. Village cooperatives
2. Food adulteration
3. Classification of stains
4. Burning test of cotton fibre
5. Advantages of cooking
6. Therapeutic diet

( 6 )

( PART : B—DESCRIPTIVE )

( Marks : 40 )

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

1. (a) Discuss the challenges faced by consumers. 6
- (b) Write briefly the role of 'AGMARK' in maintaining standard of food. 6
2. (a) Describe the principles of community development. 8
- (b) Write the objectives of community development. 4
3. Write brief notes on the following :  $6 \times 2 = 12$ 
  - (a) Youth Clubs
  - (b) Applied Nutrition Programme

**G.** Answer any *two* of the following :  $7 \times 2 = 14$

1. What are bleaching agents? Explain the three types of bleaching agents with examples.  $1+6=7$
2. Define fibres. Write the classification of the textile fibres according to their sources or origin and length.  $1+3+3=7$
3. What are sewing equipments? Describe the marking equipments.  $1+6=7$

( 7 )

4. Explain the following terms :  $2+3+2=7$

(a) Simple yarn

(b) Fancy yarn

(c) Textured yarn

5. Write the physical and chemical properties of cotton fibre.  $4+3=7$

**H.** Answer any *two* of the following :  $7\times2=14$

1. What is vitamin A? Write about the deficiency diseases of vitamin A.  $1+6=7$

2. Explain the three functions of food. 7

3. Define adolescence. Write the nutritional requirements of an adolescent girl and boy.  $2+5=7$

4. Explain the various methods of food preparation. 7

5. What is malnutrition? Discuss the two forms of protein energy malnutrition.  $1+6=7$

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