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HS/XII/A.Sc/HSc/20

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HOME SCIENCE

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. Select 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 Integrated Child Development Services (ICDS) was started in the year
 - (a) 1968
 - (b) 1975
 - (c) 1978
 - (d) 1998

3. Wool that can be sheared from the living animal is called
 - (a) fleece wool
 - (b) pulled wool
 - (c) carpet wool
 - (d) medium wool

4. An oxidative bleach that can be applied to all fabrics by varying its concentration is
 - (a) sodium perborate
 - (b) hydrogen peroxide
 - (c) sodium hyposulphite
 - (d) None of the above

5. Vitamin K is known as
 - (a) anti-hemorrhagic vitamin
 - (b) anti-sterility vitamin
 - (c) anti-rachitic vitamin
 - (d) dehydrocholesterol

(3)

6. A mineral required for the proper functioning of the thyroid gland is

- (a) iodine
- (b) iron
- (c) molybdenum
- (d) fluoride

B. Fill in the blanks : 1×6=6

1. World Consumer Rights Day is celebrated on _____.
2. _____ is a voluntary organisation of local women.
3. Man-made fibres are _____ in nature.
4. _____ is an acidic bleach used to remove rust and ink stains.
5. Vitamin C is known as _____.
6. _____ is a method where the food is cooked by hot air in closed chamber.

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

1. Right to Safety indicates the right to fair settlement and compensation for quality goods and services.
2. The most important constituent of wool fibre is a protein known as keratin.
3. The daily calorie requirement for an adolescent girl (16–18 years) is 2060 kcal.

(4)

D. Match *Column—A* with *Column—B* : 1×3=3

<i>Column—A</i>	<i>Column—B</i>
1. Adult Education Programme	(a) Retinol
2. Silk	(b) 1978
3. Vitamin A	(c) Fibroin
	(d) 1954

E. Write on the following in not more than 5 sentences each : 2×6=12

1. AGMARK
2. Two major problems faced by consumers
3. Difference between non-thermoplastic and thermoplastic fibres
4. Yarn
5. Sources of carbohydrates
6. Benefits of cooking food in a pressure cooker

(PART : B—DESCRIPTIVE)

(Marks : 40)

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

1. Define community development. Enumerate the philosophy of community development. 2+10=12

(5)

2. (a) Explain with suitable examples the three conditions under which the food is considered adulterated. $3 \times 2 = 6$

(b) Explain the following : $3 + 3 = 6$

(i) TRYSEM

(ii) Youth club

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

1. Write the physical and chemical properties of silk fibre. $3\frac{1}{2} + 3\frac{1}{2} = 7$

2. Write the classification of bleaches and explain the bleaching agents in detail. $2 + 5 = 7$

3. Define stain. Classify stain and write down the precautions you will adopt while removing stains from any fabric. $1 + (2 + 4) = 7$

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

1. Explain the functions of food. 7

2. Define the term malnutrition. Explain various causes of malnutrition in India. $2 + 5 = 7$

3. What are the different methods of food preparations? Explain. 7

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