

Total No. of Printed Pages—8

**HS/XII/A. Sc/HSc/13**

**2 0 1 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-type questions serially.
- (iii) Attempt all parts of a question together at one place.

( PART : A—OBJECTIVE )

( Marks : 30 )

SECTION—I

( Marks : 18 )

**A.** Select and write the correct answer :  $\frac{1}{2} \times 12 = 6$

1. Every consumer has the right to
  - (a) discount
  - (b) choose
  - (c) return
  - (d) All of the above

( 2 )

2. TRYSEM is a self-employment scheme for
  - (a) adults
  - (b) youths
  - (c) women
  - (d) children
3. Incidental food adulteration is due to
  - (a) ignorance
  - (b) negligence
  - (c) lack of proper facilities
  - (d) All of the above
4. Which of the following is a kharif crop?
  - (a) Watermelon
  - (b) Muskmelon
  - (c) Okra
  - (d) All of the above
5. Staple fibres give fabric a
  - (a) rough look
  - (b) smooth look
  - (c) lustrous look
  - (d) shiny look

( 3 )

6. When cotton burns the odour is that of
- (a) burning paper
  - (b) burning hair
  - (c) acid
  - (d) chemical
7. Synthetics when brought near the flame will
- (a) curl away
  - (b) melt and shrink
  - (c) catch fire and not melt
  - (d) remain unaffected
8. Which of the following is an example of oxidizing bleach?
- (a) Hydrogen peroxide
  - (b) Sodium hypochlorite
  - (c) Potassium permanganate
  - (d) All of the above
9. Nutrition is the process by which the food is taken in and
- (a) digested in the body
  - (b) absorbed in the body
  - (c) utilized in the body
  - (d) All of the above

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10. Iodine deficiency disease is seen in young children in the form of

- (a) goitre
- (b) anaemia
- (c) cretinism
- (d) night blindness

11. Marasmus can be observed in children below

- (a) 6 months
- (b) 1 year
- (c) 2 years
- (d) 5 years

12. While baking the medium for cooking is

- (a) air
- (b) water
- (c) steam
- (d) fat

( 5 )

**B.** Fill in the blanks :

1×6=6

1. Consumer's Day is celebrated on — of every year.
2. The — lays down minimum standards relating to quality of agricultural product.
3. The only naturally occurring filament fibre is —.
4. — is the oldest method of natural bleaching.
5. Carbohydrates spare — for body building functions.
6. A common symptom between marasmus and kwashiorkor is —.

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

$\frac{1}{2} \times 6 = 3$

1. Community development is locally organised self-help.
2. Food items sold loose have high chances of adulteration.
3. Diseases can be treated by medicines and diet.
4. Roasting is a form of moist cooking.
5. Cotton is a good conductor of heat.
6. Asbestos is a mineral fibre.

( 6 )

**D.** Match Column—A with Column—B :  $\frac{1}{2} \times 6 = 3$

<i>Column—A</i>	<i>Column—B</i>
1. Consumer education	(a) Nylon
2. Price variation	(b) Mineral
3. Thermoplastic fibre	(c) Rayon
4. Cellulose fibre	(d) Consumer problem
5. Iron	(e) Goitre
6. Iodine	(f) Consumer right
	(g) Haemoglobin

SECTION—II

( Marks : 12 )

**E.** Write on the following in not more than 5 sentences each :  $2 \times 6 = 12$

1. Functions of village cooperative organizations
2. Selection of manures for two rabi crops
3. Two physical properties of wool
4. Tools used for sewing
5. Water-soluble vitamins
6. Advantages of cooking

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( PART : B—DESCRIPTIVE )

( Marks : 40 )

**F.** Answer any *one* of the following : 10

1. Explain the following : 5+5=10

(a) Philosophy of community development

(b) Challenges faced by the consumers

2. Write brief notes on : 5+5=10

(a) Food adulteration

(b) Food standards

**G.** Answer any *two* of the following :  $7\frac{1}{2} \times 2 = 15$

1. How are fibres classified? Discuss with examples.  $3 + 4\frac{1}{2} = 7\frac{1}{2}$

2. Explain the following terms :  $2\frac{1}{2} \times 3 = 7\frac{1}{2}$

(a) Yarns

(b) Simple yarns

(c) Novelty yarns

3. Discuss stain removal under the following heads :

(a) Classification of stains 3

(b) General methods involved in removing stains  $4\frac{1}{2}$

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H. Answer any *two* of the following : 7½×2=15

1. Define food. What is food guide? Explain four food guides. 1½+2+4=7½
  
2. (a) List the functions of protein. 2½  
(b) Give *five* examples of each : 2½+2½
  - (1) Vitamin A-rich foods
  - (2) Iron-rich foods
  
3. (a) List *four* typical symptoms of—
  - (1) marasmus;
  - (2) kwashiorkor. 2+2  
(b) Suggest *four* ways of preventing malnutrition. 3½

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