

Total No. of Printed Pages—5

HS/XII/A.Sc/HSc/21

2 0 2 1

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)

SECTION—I

A. Select and write the correct answer : 1×6=6

1. The Applied Nutrition Programme (ANP) was started in collaboration with
 - (a) Ministry of Health
 - (b) World Health Organization (WHO)
 - (c) CARE
 - (d) UNICEF

(2)

2. This Programme was launched to eradicate illiteracy among adults. It is referred as
 - (a) ICDS
 - (b) TRYSEM
 - (c) NAEP
 - (d) CARE

3. The basic unit for all textile products is
 - (a) fibre
 - (b) yarn
 - (c) fabric
 - (d) acrylic

4. This is an example of a reducing bleach. It is
 - (a) sodium hypochlorite
 - (b) sodium hyposulphite
 - (c) sodium perborate
 - (d) hydrogen peroxide

5. The most concentrated source of energy in our diet is
 - (a) carbohydrates
 - (b) protein
 - (c) fats
 - (d) minerals

(3)

6. Obesity is a symptom of

(a) normal nutrition

(b) undernutrition

(c) overnutrition

(d) None of the above

B. Fill in the blanks :

1×6=6

1. _____ development is technically aided and locally organized self-help.

2. _____ is the grading and quality control of agricultural and allied commodities.

3. A _____ is a spot or localized discolouration left on fabric.

4. _____ is the chief constituent of woollen fibre.

5. The amount of energy required by the body at rest is known as _____ metabolism.

6. Vitamin _____ is involved in the enzymatic system of the clotting factor.

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

1×3=3

1. The Consumer Protection Act helps the aggrieved consumers to seek legal redressal.

2. Vegetable fibres found in the cell walls of plants are cellulosic.

3. Cooking food by exposing it directly to red heat is known as deep frying.

(4)

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

<i>Column—A</i>	<i>Column—B</i>
1. Youth club	(a) Sericin
2. Silk	(b) Incomplete protein
3. Eggs	(c) Young farmers
	(d) Complete protein
	(e) Mahila Mandals

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

1. Food adulteration
2. Midday Meal Programme
3. Regenerated fibres
4. Oxidizing bleaches
5. Therapeutic diet
6. Iodine deficiency

(PART : B—DESCRIPTIVE)

(Marks : 40)

SECTION—II

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

1. (a) Write the objectives of community development. 4
(b) Enumerate the guiding principles of community development. 8
2. (a) Explain the rights of a consumer. 6
(b) Discuss the challenges faced by a consumer. 6

(5)

3. Discuss the following community development programmes : 6+6=12
(a) TRYSEM
(b) Mahila Mandal

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

1. Classify fibre based on its source. 7
2. Explain the characteristics of yarn. 7
3. Given a piece of fabric, how would you go about identifying the component fibres? 7
4. Discuss 'stains' under the following heads :
(a) Classification of stains 3
(b) General methods involved in stain removal 4
5. With the help of a neat diagram, show the various parts of a sewing machine. 7

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

1. Explain the following terms :
(a) Nutrition and health 2+2=4
(b) Balanced diet 3
2. Discuss the food sources, functions and deficiency diseases of vitamin A. 2+2+3=7
3. Write about the nutritional requirements during adolescence. 7
4. What is malnutrition? Discuss any one form of protein energy malnutrition. 2+5=7
5. (a) Enumerate the different methods of cooking. 3
(b) Explain 'air' as a medium of cooking. 4

★ ★ ★