

Total No. of Printed Pages—10

HS/XII/A. Sc/HSc/15

2 0 1 5

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-type Questions) serially.
- (iii) Attempt all parts of a question together at one place.
- (iv) General candidates are not allowed to attempt the questions meant for Elementary School Teacher Candidates.

(PART : A—OBJECTIVE)

(Marks : 30)

SECTION—I

(Marks : 18)

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

1. The Consumer Protection Act was introduced in the year
 - (a) 1983
 - (b) 1986
 - (c) 1985
 - (d) 1976

(2)

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

3. Intentional adulteration is done to
 - (a) decrease the profit from sale
 - (b) increase the quality of food
 - (c) increase the profit from sale
 - (d) None of the above

4. The beneficiaries of ICDS are
 - (a) children below the age of 6 years
 - (b) pregnant and nursing mothers
 - (c) women in the age group of 15–45 years
 - (d) All of the above

5. The only naturally occurring filament fibre is
 - (a) wool
 - (b) flax
 - (c) silk
 - (d) cotton

(3)

6. The oxidising bleach is
- (a) sunlight
 - (b) sodium hyposulphite bleach
 - (c) sodium bisulphite bleach
 - (d) sodium thiosulphate bleach
7. When synthetic fibre is burnt, it
- (a) curls away
 - (b) catches fire and does not melt
 - (c) remains unaffected
 - (d) melts and shrinks
8. An example for animal stain is
- (a) milk
 - (b) blood
 - (c) fruit
 - (d) paint
9. Protective foods are rich in
- (a) carbohydrates
 - (b) proteins
 - (c) vitamins and minerals
 - (d) fats

(4)

10. Cooking by dry heat is

(a) steaming

(b) stewing

(c) frying

(d) baking

11. Deficiency of proteins among young children may lead to

(a) rickets

(b) beri-beri

(c) kwashiorkor

(d) scurvy

12. The symptom of vitamin A deficiency is

(a) physical and mental weakness

(b) eye and skin infection

(c) browning of hair

(d) diarrhoea

(5)

B. Fill in the blanks :

1×6=6

1. Consumer's Day is celebrated on — every year.
2. TRYSEM means —.
3. Therapeutic diet means the — of the normal diet to meet the requirements of the sick individual.
4. — nutrients are required by human in small quantities.
5. — is the only mineral fibre in textile science.
6. — is the strongest natural fibre.

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

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

1. Continuing education is one of the programmes of Adult Education.
2. Mahila Mandals are voluntary organisations of local women.
3. The chief constituent of wool fibre is fibroin.
4. Meter scale is the best device for taking long straight measurement.
5. Iron and folic acid supplements are given to prevent anaemia.
6. Moist cooking is meant for roasting and grilling.

(6)

D. Match Column—A with Column—B :

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

<i>Column—A</i>	<i>Column—B</i>
1. Sewing machine	(a) V
2. Kwashiorkor and Marasmus	(b) Children
3. Rabi crops	(c) Thread
4. Silk	(d) Winter
5. ICDS	(e) PEM
6. Basic food groups	(f) Rodlike
	(g) Bodybuilding food

SECTION—II

(Marks : 12)

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

$2 \times 6 = 12$

1. Mid-day Meal
2. Consumer redressal
3. Sewing equipments
4. Two physical properties of polyester
5. Deep and shallow frying
6. Water-soluble vitamins

(7)

(PART : B—DESCRIPTIVE)

(Marks : 40)

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

1. (a) Explain the meaning of the term 'community development' and write down its specific objectives. 2+3=5
- (b) Enumerate the guiding principles of community development. 5
2. (a) Discuss the importance of a kitchen garden. 5
- (b) What is compost making? 5

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

1. What is yarn making process? Name the types of yarns with examples. $7\frac{1}{2}$
2. (a) Classify the types of stains with examples. 4
- (b) Explain the general rules of stain removal. $3\frac{1}{2}$
3. Elaborate the following : $4 + 3\frac{1}{2} = 7\frac{1}{2}$
 - (a) Types of bleaching agents.
 - (b) The uses of different bleaching agents.

(8)

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

1. (a) Define 'food and nutrition'. 4
(b) Explain the functions of food. 3½
2. (a) Write the meanings of balanced diet and therapeutic diet. 4
(b) Give the nutritional requirements of a pre-school child (2-6 years). 3½
3. (a) Give the preventive measures of vitamin A deficiency. 4
(b) What are the causes of iron deficiency? 3½

(9)

(For Elementary School Teacher Candidates,
in lieu of Question Nos. F, G and H)

Answer **all** questions

F. Community Development and Services

Answer the following : 2×5=10

1. Write two objectives of youth club.
2. Write the meaning of Kharif season and its duration.
3. Mention any two names of vegetables grown during Rabi season.
4. When is the 'World Consumer Day' observed?
5. On which products do we see AGMARK grading?
Give one example.

G. Textiles and Clothing

Write on the following : 3×5=15

1. Types of simple yarns
2. Use of woolen garments
3. Two examples for mineral stains
4. Use of bleaching agent
5. Use of meter scale

(10)

H. Food and Nutrition :

3×5=15

1. Write the names of two foods containing -carotene.
2. Write the rich sources of carbohydrates.
3. Mention the protein calorie malnutrition diseases.
4. Define nutrition.
5. What is the disease caused by the deficiency of iodine mineral?
