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HS/XII/A.Sc/HSc/24

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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 : 1×6=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 :

1×6=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* :

1×3=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* :

1×3=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 :

2×6=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 : 6×2=12

(a) Youth Clubs

(b) Applied Nutrition Programme

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