

2016

HOME SCIENCE

(Major)

Paper : 3.1

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. State whether the following statements are

True or False :

1×7=7

- (a) Wool is a long filament fibre.
- (b) Flax is a natural fibre derived from stem.
- (c) Block printing is the oldest method of printing motifs on fabric.
- (d) Mercerization is a mechanical finish used to improve lustre of fabric.
- (e) Knot yarn is an example of novelty yarn.
- (f) Silk is a poor conductor of heat.
- (g) Fabrics made of twill weaves are weak and not durable.

2. Write short notes on (any four) : $2 \times 4 = 8$

(a) Mineral fibre

(b) Cord yarn

(c) Silk mark

(d) Resist printing

(e) Chemical dyes

(f) Satin weave

3. Answer any three of the following : $5 \times 3 = 15$

(a) Write about the characteristic and use of direct dyes.

(b) Discuss the merits and demerits of woven and non-woven fabrics.

(c) Cotton fabrics are the most preferred fabric in the hospitality industry. Justify.

(d) State the differences between knitting and weaving.

(e) Write about the defects usually observed while printing a fabric.

(f) Explain the importance of consumer education with respect to textiles.

4. Answer any three of the following : $10 \times 3 = 30$

(a) What are protein fibres? State the common properties of protein fibre. Explain in brief about any two animal fibres. $2+3+5=10$

(b) Mention the different methods of constructing a fabric. Explain any one method which you would apply while constructing a fabric. $4+6=10$

(c) What do you mean by fabric finish? List out the different types of fabric finishes. Write a note on any one mechanical finish. $2+4+4=10$

(d) State the differences between printing and dyeing. Explain any two methods of hand printing. $2+8=10$

(e) Discuss about the textiles produced in any State of North-East India. 10

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(Major)

Paper : 3.2

(Family Resource Management)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Write True or False for the following statements : 1*7=7
 - (a) Standard is an accepted level of quantity.
 - (b) Fatigue arises out of physical activity only.
 - (c) Time management is more difficult and complex than energy management.
 - (d) Conventional energy can be used repeatedly.
 - (e) Resources are useful and limited.

(f) Change of routine can increase psychological fatigue.

(g) Demand for time is the highest in the beginning stages of family life cycle.

2. Write in brief on any four of the following :

2×4=8

(a) Conventional energy

(b) Stages of family life cycle

(c) Human resources

(d) Peak load

(e) Time plan

(f) Work curve

3. Write on any three of the following : 5×3=15

(a) Characteristics of resources

(b) Types of fatigue

(c) Ohm's law

(d) Insulating materials

(e) Conservation of energy

4. What is management? Write about the steps followed in management process. 2+8=10

Or

What are the motivating factors in management process? How does 'value' motivate an individual to manage his resources? 3+7=10

5. Write about the functions of nervous system of human body with suitable example. 10

Or

What is fatigue? How will you classify them? Write about the techniques of reducing fatigue. 2+2+6=10

6. Define equipment. How will you classify them? Write about the points to be considered while selecting equipments for household. 2+2+6=10

Or

How will you take care of electrical equipments like refrigerator and washing machine? 5+5=10
