

4. Define growth and development. Write any four principles of development.  $2 + 2 + 4 = 8$

5. Adolescence is a period of “storm” and ‘stress’. Explain. 8

**H.** Answer any *two* of the following:  $2 \times 7 = 14$

1. (a) Give the planning and layout of a house. 5  
(b) Write the importance of cleaning. 2

2. Explain the different types of flower arrangement with diagram. 7

3. What is budget? Explain the different types of budget. 7

4. What are household pests? Explain about blood suckers and food destroyers with eradication.  $1 + 6 = 7$

5. Write a short note on  
(a) Immersion rod  $3 \frac{1}{2}$   
(b) Heaters.  $3 \frac{1}{2}$

★★★

**2023**

## HOME SCIENCE

( THEORY )

*Full Marks : 70*

*Pass Marks : 21*

*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 )

SECTION - I

( Marks : 30 )

**A.** Choose and write the correct answer :  $1 \times 6 = 6$

1. It is always circular in shape
- (a). Orbitals
  - (b). Orbits
  - (c). Shells
  - (d). Subshells.

( 3 )

5. Kerosene oil stove are of  
(a) Three types  
(b) Two types  
(c) Four types  
(d) None of the above.
6. Pest which cause damage to wood  
(a) Silver fish  
(b) White ants  
(c) Termites  
(d) Moths.

**B.** Fill in the blanks : 1 x 6 = 6

1. \_\_\_\_\_ carried out experiments on the bombardment of the atoms.
2. Alkanes are also known as \_\_\_\_\_.
3. \_\_\_\_\_ is the technique for developing immunity in the body against pathogenic organisms.
4. The term personality comes from the Latin word "Persona" meaning \_\_\_\_\_.
5. \_\_\_\_\_ are useful, limited and inter-related.
6. \_\_\_\_\_ relates to the height of plant material, size of container, its shape, size of room, wall or table.

( 4 )

**C.** Match *Column– A* with *Column– B* 1 x 3 = 3

- | <i>Column– A</i>      | <i>Column– B</i>                    |
|-----------------------|-------------------------------------|
| 1. Quantum theory     | (a) Symmetrical                     |
| 2. Artificial feeding | (b) No. of shells and energy level. |
| 3. Balance            | (c) Bottle feeding                  |

**D.** State whether the following statements are 'True' or 'False' 1 x 3 = 3

1. A pH of 7 is neutral.
2. Language is well established at 4 years of age.
3. White washing of a house is a weekly activities.

**E.** Write on the following (not more than 5 sentences each): 2 x 6 = 12

1. Valency and Molecule.
2. Resonance structure
3. Toilet Training
4. Weaning
5. Cleaning equipments
6. Cutters and peelers.

( 2 )

2.  $d$  subshells has \_\_\_\_\_ orbitals
- (a) 5
  - (b) 4
  - (c) 1
  - (d) 2.
3. Physical development in infancy is
- (a) Very slow
  - (b) Rapid
  - (c) Slow
  - (d) None of the above.
4. The mother should exclusively breastfed for the first
- (a) 6 months
  - (b) 5 months
  - (c)  $6\frac{1}{2}$  months
  - (d) 7 months.

( 5 )

( PART : B-DESCRIPTIVE )

Section - II

( Marks : 40 )

- F.** Answer any *two* of the following: 2 x 5 = 10
- 1. Explain Bohr's model of atom. 5
  - 2. What do you mean by carbohydrates? Write about the different types of carbohydrates. 2 + 3 = 5
  - 3. Give the primary and secondary structures of proteins. 2 + 3 = 5
  - 4. What is electronic configuration? Write the electronic configuration of Na, Ar and O. 2 + 1 + 1 + 1 = 5
- G.** Answer any *two* of the following: 2 x 8 = 16
- 1. (a) What is Developmental task? Give the developmental task of early childhood. 1 + 3 = 4  
(b) Explain any two common ailments in early childhood. 2 + 2 = 4
  - 2. Explain the emotional development during late childhood. 8
  - 3. Enumerate the importance of breastfeeding. 8