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**5 SEM TDC HSCH (CBCS) C 11**

**2 0 2 1**

( Held in January/February, 2022 )

**HOME SCIENCE**

( Core )

Paper : C-11

( Life Sciences )

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Fill in the blanks : 1×5=5
- (a) \_\_\_\_ is the functional unit of all life.
- (b) Herbs are grown in \_\_\_\_ garden.
- (c) \_\_\_\_ is the king of fruits in India.
- (d) Cutting, layering and \_\_\_\_ are the methods of vegetative propagation.
- (e) Tomato is rich in \_\_\_\_.

( 2 )

2. Write on the following : 2×5=10

- (a) Organic farming
- (b) Cell structure
- (c) Kitchen garden
- (d) Vermicomposting
- (e) Digestion

3. Write short notes on the following (any four) :

5×4=20

- (a) Functions of excretory system and digestive system
- (b) Steps of layering in propagation of plant
- (c) Application of biotechnology in agricultural crops
- (d) Economic importance of insect
- (e) Economic botany of carrot

4. Write briefly about the recent trends in biotechnology.

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*Or*

What is economic botany? Write about the economic importance and uses of clove and rose.

( 3 )

5. Classify animal kingdom. Write the characteristics of each class with example.

2+8=10

Or

What is the importance of vermicomposting?  
How will you start a unit of vermicompost at home and how will you maintain it? 2+5+3=10

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