

**B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2015****Sixth Semester**

Core Course—ANGIOSPERM MORPHOLOGY, TAXONOMY AND ECONOMIC BOTANY

[Common for B.Sc. Botany Model – I, Model – II]

(2011 Admission onwards)

Time : Three Hours

Maximum Weight : 25

**Part A (Objective Type Questions)***Answer all questions.**Each bunch of four questions carries a weight of 1.*

I. 1 Caryopsis is the fruit of :

(a) Maize.

(b) Cashew.

(c) Gourd.

(d) Mango.

2 Edible part of clove is :

(a) Unopened flower bud.

(b) Seed.

(c) Fruit.

(d) Petal.

3 Aestivation of Fabaceae is :

(a) Valvate.

(b) Ascendingly imbricate.

(c) Vexillary.

(d) Twisted.

4 Arrangement of leaves on stem is called :

(a) Placentation.

(b) Aestivation.

(c) Phyllotaxy.

(d) Vernation.

II. State True or False :

5 *Trichopus zeylanicus* is a medicinal plant.6 *Disci florets* are bisexual.7 *Vasculum* is used to collect specimens.8 Calyx persistent in *Solanaceae*.

III. Name the following :—

9 Name the edible part of Litchi.

10 Scientific name of ground nut.

11 Name the fruit of tomato.

12 Name the most primitive tribal group in Kerala.

Turn over

## IV. Fill in the blanks :

- 13 Hesperidium is the fruit of \_\_\_\_\_.
- 14 Indian Botanic Garden is at \_\_\_\_\_.
- 15 Binomial of ground nut is \_\_\_\_\_.
- 16 Pineapple is \_\_\_\_\_ type of unit.

(4 × 1 = 4)

**Part B (Short Answer Questions)**

*Answer any five of the following.  
Each question carries a weight of 1.*

- 17 Define Perigyny.
- 18 Discuss the economic importance of Rutaceae.
- 19 What is Staminode ?
- 20 Explain floral formula with suitable example.
- 21 What is helicoid cyme ?
- 22 Expand BSI.
- 23 Write binomial of Tobacco.
- 24 What is the edible part of Asafotida ?

(5 × 1 = 5)

**Part C (Short Essay/Problem Solving Type Questions)**

*Answer any four of the following.  
Each question carries a weight of 2.*

- 25 Give an account on botanical gardens.
- 26 Explain Cytotaxonomy.
- 27 Give an account on various types of placentation.
- 28 Describe the importance of herbarium.
- 29 Briefly explain scope and importance of ethnobotany.
- 30 Describe binomial, useful part and economic importance of two spices.

(4 × 2 = 8)

**Part D (Essay Type Questions)**

*Answer any two of the following.  
Each question carries a weight of 4.*

- 31 Compare the floral characters of Lamiaceae and Amaranthaceae.
- 32 Explain the scope and significance of taxonomy.
- 33 Describe different types of inflorescence.

(2 × 4 = 8)