



K18U 2009



Reg. No. : .....

Name : .....

**III Semester B.Sc. Degree (CCSS – Supplementary)  
 Examination, November 2018  
 (2011 and Earlier Admissions)  
 COMPLEMENTARY COURSE IN BOTANY  
 3C03 BOT : Angiosperms, Morphological Variations, Systematics, Utility  
 of Plants and Plant Pathology**

Time : 3 Hours

Max. Weightage : 30

SECTION – A

Answer **all** questions. **Each** bunch carries a weightage of **1**.  
 Choose the **correct** answer.

1. i) Henna belongs to
 

a) Euphorbiaceae	b) Lythraceae
c) Rutaceae	d) Asteraceae
- ii) Petiole is the stalk of
 

a) Flower	b) Inflorescence
c) Leaf	d) Fruit
- iii) Pineapple is an example for
 

a) Simple fruit	b) Multiple fruit
c) Caryopsis	d) Aggregate fruit
- iv) Trimerous condition occurs in
 

a) Malvaceae	b) Papilionaceae
c) Solanaceae	d) Orchidaceae
2. State true or false :
  - i) Disc florets are characteristic of Asteraceae.
  - ii) Cardamom yields fiber.
  - iii) Linnaeus put forward the Natural system of classification.
  - iv) Stamens are free in Malvaceae.

P.T.O.



3. Fill in the blanks :
- \_\_\_\_\_ is used for keeping taxonomic specimens fresh before pressing.
  - Leaf Mosaic of tapioca is a \_\_\_\_\_ disease.
  - Inflorescence axis stops growth in the \_\_\_\_\_ inflorescence.
  - Pods are the fruits in \_\_\_\_\_ family.
4. Match the following.

A	B	C
Clove	Beverage	Pulse
Tea	Flower buds	Starch
Tapioca	Protein	Leaves
Bengal gram	Tuber	Spice

5. Answer in **one** word or **one** sentence :
- Binomial of Horse gram.
  - Zygomorphy.
  - Obdiplostemonous condition.
  - Fruit in Apiaceae.

## SECTION – B

Answer **any four**. Differentiate the following. **Each** question carries a weightage of 1.

- Monochlamydeous and dichlamydeous.
- Calyx in Malvaceae and Asteraceae.
- Pedicel and peduncle.
- Hypogyny and epigyny.
- Mosaic and wilt.
- Axile and free central placentation.

## SECTION – C

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

- Explain the different types of fruits you have studied with suitable diagrams.
- Write the binomials and uses of any two plants in Malvaceae.



- What is meant by floral diagram ?
- Give the diagnostic features of family Papilionaceae.
- Write the binomials and uses of any two plants in Apiaceae.
- What are the advantages of the herbarium ?
- What is Stylopodium ?

## SECTION – D

Answer **any six** of the following. **Each** carries a weightage of 2.

- Explain the floral characters of Orchidaceae.
- Write the binomial, family and useful part and uses of any three medicinal plants you have studied.
- Explain the symptoms of Citrus Canker and Grey leaf spot of coconut.
- Explain artificial system of classification.
- Write what you know about tropical fruits.
- Describe the androecium and gynoecium in Apocyanaceae.
- Discuss the advanced features of Asteraceae.
- What are the primitive characters of Anonaceae ?

## SECTION – E

Answer **any one**. **Each** carries a weightage of 4.

- What is inflorescence ? Explain the different types of racemose inflorescence. How is it different from cymose inflorescence ?
- Explain characteristic features of Poaceae family and illustrate its floral characters.
- Write on the pathogen, symptoms and control measures of Blast disease of paddy.