



**K20U 1268**

Reg. No. : .....

Name : .....

**III Semester B.Sc. Degree (CBCSS – Sup./Imp.) Examination, November 2020  
(2014 – '18 Adms.)**

**COMPLEMENTARY COURSE IN BOTANY/PLANT SCIENCE  
3C03 BOT/PLS – Angiosperms-Morphology, Systematics, Utility,  
Plant breeding and Plant Pathology**

Time : 3 Hours

Max. Marks : 32

**SECTION – A**

Answer **all**.

Choose the correct answer.

1. A millet
  - a) Wheat
  - b) Rice
  - c) Ragi
  - d) Sesamum
2. Cremocarp is characteristic of
  - a) Rutaceae
  - b) Poaceae
  - c) Anonaceae
  - d) Apiaceae
3. The commercially important plant from Euphorbiaceae.
  - a) Colocasia
  - b) Sugarcane
  - c) Jute
  - d) Hevea
4. Fruit of paddy is
  - a) Caryopsis
  - b) Berry
  - c) Hesperidium
  - d) Nut
5. Tissue culture medium is sterilized in
  - a) LAF
  - b) Hot air oven
  - c) Autoclave
  - d) Centrifuge

**(5×1=5)**

P.T.O.



## SECTION – B

Answer **any four**.

6. What is meant by totipotency ? Define callus.
7. Write notes on plant introduction.
8. What are the advantages of the floral diagram ?
9. Describe the preparation and significance of herbarium.
10. Write about the androecium in Malvaceae.
11. Explain the symptoms of Grey leaf spot of coconut. (4×2=8)

## SECTION – C

Answer **any three**.

12. Discuss the advanced features of Asteraceae.
13. Describe the different types of aestivation with the help of sketches.
14. What is the procedure for mutation breeding ? List out the achievements.
15. Give the binomial, family and uses of any four medicinal plants you have studied.
16. List out the characteristic features of Rutaceae. Name the economically important plants in the family. (3×3=9)

## SECTION – D

Answer **any two**.

17. Explain the different types of fruits you have studied with suitable diagrams.
  18. Discuss Bentham and Hooker's classification and add a note on its merits and demerits.
  19. Give the characteristic features of Apiaceae and list out the economically important plants in the family.
  20. Discuss the different methods of selection practiced in crop improvement and bring out their advantages and disadvantages. (2×5=10)
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