



K16J 2090

Reg. No. :

Name :

**III Semester B.Sc. Degree (CBCSS – Reg./Supple./Imp.)
Examination, November 2016
(2014 Admn. Onwards)**

**COMPLEMENTARY COURSE IN BOTANY/PLANT SCIENCE
3C03BOT/PLS : Angiosperms-Morphology, Systematics, Utility, Plant
Breeding and Plant Pathology**

Time : 3 Hours

Total Marks : 32

SECTION – A

Answer all.

Choose the correct answer.

- Colchicine is used to induce
a) Mutations b) Vivipary c) Root formation d) Polyploidy
- The type of inflorescence in *Caesalpinia* is
a) Thyrsus b) Corymb
c) Cymose d) Head
- Quick wilt of pepper is caused by
a) *Piricularia oryzae* b) *Phytophthora infestans*
c) *Phytophthora palmivora* d) *Puccinia graminis*
- Pedigree selection is practiced in
a) Cross pollinated crops b) Self pollinated crops
c) Sexually propagated crops d) Vegetatively propagated crops
- Marginal placentation is seen in
a) Euphorbiaceae b) Asteraceae c) Malvaceae d) Fabaceae (5×1=5)

P.T.O.

SECTION – B

Answer **any four**.

6. Differentiate between floral diagram and floral formula.
7. Write notes on mass selection.
8. Discuss the preparation and significance of Herbarium.
9. Write on the various systems of angiosperm classification.
10. What is role played by induced mutations in crop improvement ?
11. Give the economic importance of Solanaceae with examples. (1×2=8)

SECTION – C

Answer **any three**.

12. Give the systematic position of euphorbiaceae and describe the salient features of the family.
13. With the help of suitable diagrams and examples differentiate between simple and aggregate fruit.
14. Write notes on the types of aestivation with the aid of examples and diagrams.
15. Give the characteristic features of apiaceae and list out the economically important plants in the family.
16. Explain the symptoms of Citrus canker and Grey leaf spot of coconut. (3×3=9)

SECTION – D

Answer **any two**.

17. Enumerate the diagnostic features of family orchidaceae. Add a note on its advanced characters.
 18. With the aid of suitable sketches describe the different types of inflorescence you have studied.
 19. Discuss the characteristic features of the custard family and add a note on its primitive features.
 20. Write the binomial, family and useful part and uses of any five medicinal plants you have studied. (5×2=10)
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