



K19U 2520

Reg. No. :

Name :

III Semester B.sc.Degree (CBCSS-Reg./Sup./Imp.)

Examination, November-2019

(2014 Admn.Onwards)

COMPLEMENTARY COURSE IN BOTANY/PLANT SCIENCE
3 CO3 BOT/PLS ANGIOSPERMS- MORPHOLOGY, SYSTEMATICS,
UTILITY, PLANT BREEDING AND PLANT PATHOLOGY

Time : 3 Hours

Max. Marks : 32

SECTION - A

Choose the correct answer:

(5x1=5)

1. Sweet flag is
 - a) Sida rhombifolia
 - b) Acorus calamus
 - c) Rauwolfia serpentina
 - d) Withania somnifera
2. Causal organism of Citrus canker is a
 - a) Virus
 - b) Bacterium
 - c) Fungus
 - d) Mycoplasma
3. Pineapple is an example for
 - a) Simple fruit
 - b) Multiple fruit
 - c) Caryopsis
 - d) Aggregate fruit

P.T.O.



4. Gynobasic style is characteristic of
- | | |
|-----------------|---------------|
| a) Apocyanaceae | b) Annonaceae |
| c) Rutaceae | d) Lamiaceae |
5. Chemical used to induce polyploidy
- | | |
|---------------|------------------------|
| a) Alcohol | b) Sodium hypochlorite |
| c) Colchicine | d) EMS |

SECTION - B

Answer any **Four**: (4×2=8)

6. Differentiate between cohesion and adhesion.
7. Write short notes on Floral diagram and floral formula.
8. What are the advantages of the herbarium?
9. Explain binomial nomenclature.
10. Write the binomial, family and useful part and uses of the spices you have studied.
11. Write notes on mass selection.

SECTION - C

Answer any **Three**: (3×3=9)

12. What are the different types of fruits you have studied. Give suitable examples for each?
13. Write on the pathogen, symptoms and control measures of Quick wilt of pepper.



14. Give the economic importance of Solanaceae with examples.
15. Explain the floral characters of Orchidaceae.
16. Write on the phylogenetic system of classification.

SECTION - D

Answer any **Two**: (2×5=10)

17. What is hybridization and hybrid vigor? Give an account on the steps involved in a hybridization programme.
 18. Discuss the characteristic features of the custard family and add a note on its primitive features.
 19. Describe in detail the features of the family significant for pulses.
 20. With the aid of suitable sketches describe the different types of inflorescence you have studied.
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