FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015

(U.G.—CCSS)

Core Course—Botany

BO 5B 07—ANGIOSPERM SYSTEMATICS, ECONOMIC BOTANY AND ETHNOBOTANY

(2012 Admission onwards)

Time : Three Hours   Maximum : 30 Weightage

I. Objective type questions (Answer all *twelve* questions)

(Multiple choice, fill in the blanks and answer in a single word questions)

1. Syngenecious condition is a characteristic feature of the family

    (a) Poaceae.   (b) Acanthaceae.

    (c) Leguminosae.   **(d)** Asteraceae.

2. Flora of Presidency of Madras written by :

    (a) Robert Wight.   (b) William Roxburgh.

    (c) Henrich van Rheed.   (d) Gamble.

3. Lai-   herbaria of World is located at :

           ew York.   (b) Kolkotha.

           ris.   (d) Kew.

4. Which .among the following family is with parietal placentation ?

    (a) Cucurbitaceae.   (b) Liliaceae.

    (c) Rubiaceae.   (d) Maivaceae.

Fill in the blank :

5. Caryopsis type of fruit is seen in the family   ———

6. Linnaeus system of classification is a   system Of classification.

7. Binomial of Gingelly.

8. Plant classification system based on evolution is ————

Answer in a *word* :

9. Cyathium inflorescence is seen in the family :

10. Name a family with inter peteolar stipule :

11. Binomial of soya-bean.

12. Binomial of Pine-apple :

(12 x ¼ = 3 weightage)

Turn over

II. Short answer questions (Answer all *nine* questions) :

13. Write the ethnobotanical significance of *Trichopus zeylanicus.*

14. Name the family and morphology of useful part in Cotton.

15. Legume fruit.

16. Numerical taxonomy.

17. Botanic gardens.

18. ICBN.

19. Monadel phous stamens.

20. Contributions of Robert Wight.

21. Write notes on BSI.

(9 x 1 = 9 weightage)

III. Short essay or paragraph questions (Answer any *five* from *seven* questions) :

22. Explain typification.

23. Effective and valid publications.

24. Name any *eight* major tribes of South India.

25. What are taxonomic keys, explain its uses and applications.

26. Give the binomial, family and uses of the following :

    (a) Rose wood. ⎯⎯⎯⎯⎯   (b) Ragi.

    (b) Clove. ⎯⎯⎯⎯⎯   (c) Cocoa.

27. Diagnostic features of the family Apocynaceae.

28. Medicinal properties of the following :

    (a) Terminalia.   (b) Lemon grass.

    (c) Aloe.   (d) Neem.

(5 x 2 = 10

IV. Essay questions (Answer any *two* from *three* questions) :

29. Describe the characters of the family Poaceae, writes its evolutionary importance.

30. What is herbarium ? Write the methodology of preparation of herbarium.

31. Write an essay on systems of Plant classification.

(2 x 4 = 8 weightage)