

Reg. No..... Name.....

BSc DEGREE END SEMESTER EXAMINATION MARCH 2017

SEMESTER - 6: BOTANY (CORE COURSE)

**COURSE : U6CRBOT11 : ANGIOSPERMS MORPHOLOGY,
SYSTEMATICS BOTANY & ECONOMIC BOTANY**

(For Regular - 2014 Admission)

Time: Three Hours

Max. Marks: 60

PART A

I. Answer **all** questions. Each question carries 1 mark.

1. What is zygomorphic flower?
2. What is Phyllotaxy?
3. What is Binomial Nomenclature?
4. What is ICBN?
5. Write any two primitive features of the family Annonaceae.
6. Write botanical names of two Fiber yielding plants.
7. Write botanical name of two Cereals.
8. Write botanical names of two medicinal plants used by tribals.

(1 x 8 = 8)

PART B

II. Answer **any six** questions. Each question carries 2 marks.

9. What is Cyathium?
10. What is floral diagram?
11. Describe the structure of Androecium in Cucurbitaceae.
12. Describe the diagnostic features of the family Asclepiadaceae.
13. What are the characters used in Cytotaxonomy?
14. Draw the structure of Spikelet in Poaceae.
15. Enumerate the diagnostic feature of the family Euphorbiaceae.
16. Enumerate the advanced features of the family Asteraceae.
17. Give the binomial and family of two Oil yielding plants.
18. Write the family and botanical name of two food plants used by tribals.

(2 x 6 = 12)

PART C

III. Answer **any four** questions. Each question carries 4 marks.

19. Describe the different Placentation types with examples.
20. What are the distinguishing features of Lamiaceae and Acanthaceae?
21. Write notes on Botanical gardens.
22. Differentiate between Solanaceae and Convolvulaceae.
23. Write the binomial, useful part and uses of 2 economically important plants each from the families Arecaceae, Poaceae, Anacardiaceae and Verbenaceae.
24. Write the botanical name and family of four Spices.

(4 x 4 = 16)

PART D

IV. Answer **any two** questions. Each question carries 12 marks.

- 25.** Write an essay on the racemose type of Inflorescence with suitable diagrams and examples.
- 26.** Write an essay on Bentham and Hooker's system of classification and its merits and demerits.
- 27.** What is a herbarium? Write an essay on Herbarium techniques and importance of herbarium.
- 28.** What are the diagnostic characters of Leguminosae? With suitable diagrams, explain the distinguishing features of Mimosaceae, Caesalpiniaceae and Fabaceae.

(12 x 2 = 24)
