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Name..... 31

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2014**

(CUCSS)

Botany

BO 03C T10—ANGIOSPERM MORPHOLOGY, TAXONOMY AND PLANT RESOURCES

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

I. Answer all the *fourteen* questions very briefly :

- 1 What is valid publication ?
- 2 Explain the concept of genus.
3. Mention the types of ovary.
- 4 What is polyphyly ?
- 5 Write on the significance of Botanical Gardens.
- 6 What are rejected names ?
- 7 What is parallelism ?
- 8 What are the features that make a flower primitive ?
- 9 Define a lectotype.
- 10 What is ICBN ?
- 11 Differentiate unit and multiple characters.
- 12 What is rule of priority ?
- 13 Write the botanical name and family of Cowpea.
- 14 Describe correlation of characters.

(14 × 1 = 14 weightage)

II. Answer any *seven* questions in not more than 100 words :

- 15 Explain taxonomic hierarchy.
- 16 Mention briefly the steps involved in the preparation of a herbarium.
- 17 Give examples with botanical names of any *two* sugar yielding crops.
- 18 Comment on qualitative and quantitative characters.
- 19 Write the binomial, family and morphology of useful parts of two fibre yielding plants.
- 20 Differentiate essentialism and nominalism.
- 21 Explain Monograph.
- 22 What is molecular taxonomy ?

Turn over

- 23 Write botanical name and family of Rubber.  
24 Placentation types in angiosperms.

(7 × 2 = 14 weightage)

III. Answer any *two* questions in 300 words :

- 25 Write an account of the commercial importance of cereals and pulses, mentioning their commercial and botanical names.  
26 Explain the concept of a primitive angiosperm flower and give an account on the origin and evolution of flower.  
27 Explain the role of floral anatomy in the interpretation of origin and evolution of flower and floral parts.  
28 Give an account on the role of cytology in plant classification.

(2 × 4 = 8 weightage)