

M.Sc. BOTANY
FOURTH SEMESTER
ANGIOSPERM TAXONOMY
MSB-402 C

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

Marks: 10

(Objective)

Choose the correct answer from the following:

1×10=10

- Name the family of *Leucas* plant.
 - Moraceae
 - Theaceae
 - Verbenaceae
 - Lamiaceae
- A floral formula does not tell about:
 - Ovary position
 - Whorls of floral parts
 - Number of floral parts
 - Placentation and aestivation
- Name the medicinally important part of ginger.
 - Bulb
 - Corm
 - Rhizome
 - Offset
- "Citronellol" is an essential oil constituent of:
 - Lemon grass
 - Rose
 - Jasmine
 - Tulsi
- Botanical name of Jackfruit is:
 - Artocarpusheterophyllus*
 - Mentha arvensis*
 - Zingiber officinalis*
 - Vetiveriazizanioides*
- Which of the following families is characterized by pentamerous flowers, inferior and bicarpellary ovary with head inflorescence?
 - Cucurbitaceae
 - Asteraceae
 - Solanaceae
 - Liliaceae
- Axile placentation is not found in:
 - Malvaceae
 - Liliaceae
 - Fabaceae
 - Solanaceae
- Which of the following is not stem modification?
 - Phyllode
 - Phylloclade
 - Bulb
 - Offset
- What is the size of Herbarium?
 - 41 cm by 27cm
 - 41 cm by 29 cm
 - 42 cm by 29 cm
 - 42 cm by 22 cm

10. Identify the smallest unit of classification.

- a. Class
- c. Genus

- b. Variety
- d. Species

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Write economic importance of: (*any one*) 5
 - a) Asteraceae
 - b) Orchidaceae
2. Write the floral formula and floral diagram of the following: (*any two*) 5+5=10
 - a) Poaceae
 - b) Solanaceae
 - c) Zingiberaceae
3. Name the advanced family among the dicot angiosperms. Why it is regarded as advanced among the dicots? 2+8=10
4. Write differences between Poaceae and Cyperaceae. 10
5. Write floral characters of Ranunculaceae and mention its floral formula. 8+2=10

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