

**DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

**AURANGABAD**

Faculty of Science

Practical Examination

**B.Sc. I YEAR**

**BOTANY**

**Paper III**

**(Biodiversity of Microbes and Cryptogams)**

Time: 09.00 a.m. to 01.00 p.m.

Max. Marks: 100

Date: \_\_\_\_\_

Batch No. \_\_\_\_\_

Center: \_\_\_\_\_

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- Q.1. Identify, classify and describe any two algae from the given mixture 10
- Q.2. Identify, classify and describe the given specimen 'A' (Fungi) 10
- Q.3. Identify, classify and describe the given specimen 'B' (Bryophyte) on the basis of internal and external features 15
- Q.4. Identify, classify and describe the given specimen 'C' (Pteridophyte) on the basis of internal and external features 20
- Q.5. Identify and describe the specimen D, E, F and G as per instructions 20  
(D-Algae, E-Fungi, F-Bryophyte and G-Pteridophyte)
- Q.6. Submission
- a. Record book 10
  - b. Collection / Field notebook / Slides 10
  - c. Viva-voce 05

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**BOTANY**

**Paper IV**

**(Structure, Development and Reproduction in Flowering Plants)**

Time: 02.00 p.m. to 06.00 p.m.

Max. Marks: 100

Date: \_\_\_\_\_

Batch No. \_\_\_\_\_

Center: \_\_\_\_\_

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Q.1. Identify and describe the structure, modification and pollination mechanism in the given flower 15

Q.2. Identify, and describe the structure of stomata in the given leaf 10

Q.3. Prepare a double stained permanent preparation of the given specimen. Identify, and describe with well-labeled diagram 20

Q.4. Identify and describe the specimen A, B, C, D, E, and F as per instructions.

(A - Root, B - Leaf, C - Flower, D - Fruit / Seed,

E – Histology / Anatomy, F – Embryology / Veg. Reproduction)

30

Q.5. Submission

a. Record book 10

b. Permanent slides / Field notebook / Collection 10

c. Viva-voce 05