DRAVIDIAN **UNIV ERSITY**

Directorate of Distance Education (DDE)

KUPPAM – 517 426:: A.P.

COURSE: M.Sc (Botany)

PAPER-BOT-A101: Microbiology, Mycology and Plant Pathology

QUESTION PAPER FOR ASSIGNMENT

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

01. Describe the general features and classification of viruses?

02. What is virion? How viruses are isolated and purified?

03. What are the general features of eubacteria? Describe the nutrition and reproduction in eubacteria?

04. What is fungi? Describe the general features of fungi and their reproduction?

05. What is epidemiology? Describe the development of the disease cause by Fungi?

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PAPER-BOT-A102: Biology and Diversity of Algae, Bryophytes, Pterodophytes and Gymnosperms

QUESTION PAPER FOR ASSIGNMENT

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Describe the general features of Cyanophyceae with examples?

2. Describe the general properties of Marchantiales?

3. Describe the economic and ecological importance of Bryophytes?

4. Describe the general properties and reproduction of pteridophytes?

5. Describe the general properties and distribution of Gymnosperms?

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PAPER-BOT-A103: Cell Biology, Genetics, Evolution and Plant Breeding

QUESTION PAPER FOR ASSIGNMENT

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. What is electron Microscopy? Describe the advantages over the optical microscopy?

2. Describe the principle and applications of Radio isotopes in Biology?

3. Describe the structure and function of plasma membrane?

4. What is inheritance? Describe the Mendal laws with examples?

5. What is breeding? Describe various methods available for Plant breeding?

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PAPER-BOT-A104: Taxonomy of Angiosperms and Plant Resource Utilization

QUESTION PAPER FOR ASSIGNMENT

Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. What are the merits and demerits of Bentham and Hooker classification?

2. What is herbarium? Describe the methodology of Herbarium?

3. Describe the salient features of Binomial Nomenclature?

4. Describe the general features of Magnoniales?

5. What are cereals? How the cereals are developed?