



DIRECTORATE OF DISTANCE EDUCATION

L.N. Mithila University, Kameshwaranagar, Darbhanga-846008 (BIHAR)

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M.Sc. (Botany) Previous DEC 2022 Assignment

All Questions are to be Answered.
All Questions are of Equal Value.

Each Maximum in 800 Words
Max./Mark Weightage= 30%

Paper- 1

1. Describe various modes of reproduction in bacteria.
2. Comment on the statement that “Bacteria are our friends and foes”.
3. Define mycoplasma and give their general characteristics.

Paper-2

1. Give brief account of reproduction in blue algae.
2. Give salient feature of red algae and comment on systematic of red algae.
3. Give brief account of thalus organization in blue green algae.

Paper- 3

1. Describe salient feature of class Anthoceroles with suitable example.
2. What is Gametophytes ? Describe the progressive evolution of gametophytes in bryophytes.
3. What is sporophyte ? Describe the evolutionary trends in sporophytes of Bryophytes.

Paper- 5

1. Describe the salient features and phylogeny of Caytoniales.
2. Describe the salient features and Phylogeny of Pentoxylales or Cordiales.
3. Describe the general features Phylogeny and Economic importance of order Caingales.

Paper- 6

1. What is evolutionary significance of chromosomal aberration in crop plants ?
2. Give brief account of different types of Polyploidy.
3. What is polyploidy ? Give its evolutionary significance.

Paper- 7

1. Discuss the different theories related to shoot apical meristem .
2. Discuss the different theories related to root meristem.
3. Explain the differentiation of epidermis with special reference to stomata.

नोट:- दत्त कार्य जमा करने की अंतिम तिथि 15/12/2022



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M.Sc. (Botany) Final DEC 2022

Assignment

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Course Code-[BOT-109]

1. Describe the structure and function of ecosystem.
2. Describe the anatomical adaptations of Hydrophytes with suitable examples.
3. Describe the anatomical adaptation of Xerophytes.

Course Code –[BOT-110]

1. Discuss the mechanism of action of abscisic acid.
2. Describe briefly the physiological effects of ethylene.
3. Describe the metabolic changes taking place during seed germination.

Course Code –[BOT-111]