



# P. K. ROY MEMORIAL COLLEGE

NAAC ACCREDITED – B

(A Premier Graduate Constituent Unit of Binod Bihari Mahto Koylanchal University, Dhanbad)

DHANBAD – 826004

## Department of Botany

Website : <http://pkrmc.ac.in>

Departmental mail id: [botany.pkrmc@gmail.com](mailto:botany.pkrmc@gmail.com)

### Internal questions for Semester I Botany GE- Assignment

#### Answer any Three Questions:-

1. Explain the ultra structure of Bacteria with suitable diagram.
2. Describe the ultra structure of *Chlamydomonas* with suitable diagram.
3. Illustrate the step of lifecycle of *Puccinia*
4. Describe the structure of strobilus of *Selaginella*
5. Describe the anatomical structure of *Pinus* needle leaf.

### Internal questions for Semester II Botany GE- Assignment

#### Answer any Three Questions:-

1. Illustrate the ecological adaptation of hydrophytes.
2. Explain the causes and control of air pollution.
3. Illustrate the principles and rules of ICBN
4. Give the outline of Bentham and Hooker classification.
5. Describe the taxonomical characters of family Apocyanaceae.

KRS  
07/02/24



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### Internal questions for Semester III Botany GE- Assignment

#### Answer any Three Questions:-

1. Explain the types of meristematic tissues.
2. Explain the internal structure of anomalous secondary growth of *Boerhaavia*.
3. Describe the types of Ovules in angiospermic plants.
4. Describe the any three medicinal plants and their uses. (Tulsi, Neem & Amla)
5. Describe the any two oil yielding plants, process of extraction and their uses. (Mustard & Sunflower)

### Internal questions for Semester IV Botany GE- Assignment

#### Answer any Three Questions:-

1. Explain the Mechanism of transpiration.
2. Illustrate the steps involved in Glycolysis.
3. What is photophosphorylation? Describe the carbon fixation in Calvin cycle.
4. Illustrate the step of Mitosis in Plant cell.
5. What is mutation? Explain the types of Ploidy

K. S. Roy  
07/07/24





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(A Premier Graduate Constituent Unit of Biju Patnaik Odisha Koyanchal University, Bhubaneswar)

BIHARBAD – 826004

## Department of Botany

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### Internal questions for Semester I Botany GE Practical- Assignment

Answer any Three Questions:-

1. Study the structure of TMV the photograph. Draw diagram and give five comment on it.

### Internal questions for Semester II Botany GE Practical- Assignment

Answer any Three Questions:-

1. Study the morphological structure of Hydrophytes adaptation. Draw diagram and give five comment on it.

### Internal questions for Semester III Botany GE Practical- Assignment

Answer any Three Questions:-

1. Study the structure of angiosperm embryo sac. Draw diagram and give five comment on it.

### Internal questions for Semester IV Botany GE Practical- Assignment

Answer any Three Questions:-

1. Study the any two stages of mitosis in plant cell. Draw diagram and give two comment on each stages.

**Notes-** Assignment are written and submitted along the student's details like Name,

University Roll No., Reg. No., College roll no., session and Honours subject.

3 (in Department/ to Departmental HOD)

*Handwritten signature and date: 07/04/2021*