

**Department of Botany, RSP Jharia College, Jharia, Dhanbad**

**Internal Examination for Botany Honors, SEM-VI**

Subjects: CC-XIII; Syllabus: Carbon assimilation; Carbon oxidation and Nitrogen metabolism

Date of examination:

Time:

Full Marks- 10

Attendance and Assignment: 05

**Note: 1.** Answer should be written in your own handwriting in your own language. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

**Note: 2.** Answers should be written in a regular ruled note book, color pen and pencils can be used to highlight your answers.

**Answer all the questions, each question carries 2 marks each**

Que 1: What do you mean by Red Drop and Emerson Effect?

Que 2: Differentiate between C-3 and C-4 Plants

Que 3: Draw the steps of Glycolysis

Que 4: Draw the Electron transport system

Que 5: Write the steps involved in transamination

**Department of Botany, RSP Jharia College, Jharia, Dhanbad**

**Internal Examination for Botany Honors, SEM-VI**

Subjects: CC-XIV; Syllabus: Plant Biotechnology

Date of examination: / Time:

Full Marks- 10

Attendance and Assignment: 05

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Que 1: Write down the steps involved in anther culture

Que 2: Write down the steps of PCR

Que 3: What do you mean by Cryopreservation and germplasm conservation?

Que 4: What do you mean by Restriction Endonuclease?

Que 5: What do you mean by blotting technique?

**Department of Botany, RSP Jharia College, Jharia, Dhanbad**

**Internal Examination for Botany Honors, SEM-VI**

Subjects: DSE-III; Syllabus: Destruction of ecosystem due to changing pattern of land use, Urbanization and Industrialization and EIA and Need for management of waste, safe disposal of waste

Date of examination: / Time:

Full Marks- 10

Attendance and Assignment: 05

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Que 1: What do you mean by EIA

Que 2: What do you mean by waste how they can be controlled?

Que 3: Give two reasons for the destruction of Ecosystem

Que 4: How waste can be safely disposed? Discuss

Que 5: Give five main impact of Urbanization on the ecosystems

**Department of Botany, RSP Jharia College, Jharia, Dhanbad**

**Internal Examination for Botany Honors, SEM-VI**

Subjects:DSE-IV: Industrial Environmental Microbiology; Syllabus: Bioleaching, Biogas and Bioremediation

Date of examination: / Time:

Full Marks- 10

Attendance and Assignment: 05

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**Answer all the questions, each question carries 2 marks each**

Que 1: What do you mean by bioleaching?

Que 2: What are Xenobiotics?

Que 3: Name any five microbes used in Bioleaching

Que 4: Why bio-gas are most preferred fuel in Environment

Que 5: How bioreactor area performed?

**Department of Botany, RSP Jharia College, Jharia, Dhanbad**

**Internal Examination for Botany Honors, SEM-VI**

Subjects: CC-XIII and CC-XIV (Practical)

Date of examination: / Time:

Full Marks- 10

**Note: 1.** Answer should be written in your own handwriting in your own language. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

**Note: 2.** Answers should be written in a regular ruled note book, color pen and pencils can be used to highlight your answers.

**Answer all the questions, each question carries 5 marks each**

Que 1: Draw steps regarding the demonstration of in-vitro sterilization technique learned by you?

Que 2: Write about the principal and function of micro-biological instrument: Hot Air Oven

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**Internal Examination for Botany Honors, SEM-VI**

Subjects: DSE-III and DSE-IV (Practical)

Date of examination: / Time:

Full Marks- 10

**Note: 1.** Answer should be written in your own handwriting in your own language. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

**Note: 2.** Answers should be written in a regular ruled note book, color pen and pencils can be used to highlight your answers.

**Answer all the questions, each question carries 5 marks each**

Que 1: Differentiate biodegradable and non-biodegradable waste? How you will segregate them? Explain.

Que 2: Determine the density of different plants in your nearest locality by quadrant method.