

Department of Botany, RSP College, Jharia

Internal Examination-Botany Honors, SEM-V (2020-2023)

Subjects: CC-XI (Theory)

Date of examination:..... / Time:..... **(Duration: 1hrs)**

Full Marks- 10

Attendance/Assignment: 05

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer any two questions; each question carries 5 marks each

Que 1: Give an account of megasporogenesis with the help of suitable diagrams.

Que 2: Explain the development of male gametophytes in angiosperms with suitable diagram.

Que 3: Write short notes on any two of the following: 2.5 x2=5

- a. Different types of ovule
- b. Double fertilization triple fusion
- c. Anemophily
- d. Advantages of Xenogamy

Department of Botany, RSP College, Jharia

Internal Examination-Botany Honors, SEM-V (2020-2023)

Subjects: CC-XII (Theory)

Date of examination:..... / Time:..... (**Duration: 1hrs**)

Full Marks- 10

Attendance/Assignment: 05

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer any two questions; each question carries 5 marks each

Que 1: Write in detail about Osmosis in Plants. Explain your answer with suitable diagrams.

Que 2: Write about the bioassay of Cytokinin. Explain its role and limiting factors in detail.

Que 3: What do you mean by Phloem transport? Write in detail about the mechanism of loading and unloading of Phloem.

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Internal Examination-Botany Honors, SEM-V (2020-2023)

Subjects: DSE-I (Theory)

Date of examination:..... / Time:..... (**Duration: 1hrs**)

Full Marks- 10

Attendance/Assignment: 05

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer any two questions; each question carries 5 marks each

Que 1: What do you mean by Hybridization? Explain in detail about the procedure involved in Hybridization technique.

Que 2: What are the five major objectives of Plant breeding? Write about any two methods of Plant breeding.

Que 3: Write about the role of biotechnology in Plant breeding programme.

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Internal Examination-Botany Honors, SEM-V (2020-2023)

Subjects: DSE-II (Theory)

Date of examination:..... / Time:..... **(Duration: 1hrs)**

Full Marks- 10

Attendance/Assignment: 05

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer any two questions; each question carries 5 marks each

Que 1: What do you mean by Forest and its type? Write on any three benefits from Forest.

Que 2: What do you mean by Wetlands? Explain its different types with suitable example.

Que 3: Write short notes on any two of the following: 2.5 x2=5

- a. Sustainable Development
- b. Alpha Biodiversity
- c. Climate Change
- d. Greenhouse gases

Department of Botany, RSP College, Jharia

Internal Examination-Botany Honors, SEM-V (2020-2023)

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

Date of examination:..... / Time:..... **(Duration: 1hrs)**

Full Marks- 10

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer all question

Que 1: Determine the rate of transpiration in the given plant material through given apparatus (Ganong's Potometer) ? (6)

Que 2: Comment upon the given photographs (Different types of Ovules). (4)

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Internal Examination-Botany Honors, SEM-V (2020-2023)

Subjects: DSE-I and DSE-II (Practical)

Date of examination:..... / Time:..... (**Duration: 1hrs**)

Full Marks- 10

Note: 1. Please mention your Name; University Roll Number/Registration Number; Name of Subject; Session and Date of Examination.

Answer all the question

Que 1: Perform the emasculation technique in the given material (Pea Plant). Write down its steps and precautions with suitable diagram (6)

Que 2: Comment upon the given photograph (role of biotechnology in BT Cotton) (4)