

U.G. 5th Semester Examination - 2020**BOTANY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : BOTH-DSE-P-02/PR****[PRACTICAL]****(B. Stress Biology)**

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

1. If you are asked to perform an experiment to determine the proline content to see the degree of stress faced by a plant what would be your requirements. Write procedure. What type of results (need not to write values) you expect? Why proline is measured as an indication of stress, but not other amino-acids?

Requirements-3, Procedure-3, Expected result 2,
Principle 2 3+3+2+2=10

OR

If you are asked to perform an experiment to

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estimate catalase to see the degree of salt stress faced by seedlings of a plant what would be your requirements? Write the procedure. What type of results (need not to write values) you expect? Why catalase is measured as an indication of salt stress?

Requirements-3, Procedure-3, Expected result 2,
Principle 2 3+3+2+2=10

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| 2. | Laboratory Note Book | 5 |
| 3. | Viva voce | 5 |