

2019

3rd Semester Examination

**BIOTECHNOLOGY (Honours)**

Paper - SEC 1P

(Euryymology)

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

*Answer all questions*

1. Perform enzyme assay of purified amylase and determine the enzyme activity. 10  
Principle-3, Procedure-3, Results and comment-4
  2. In flow chart state the process of purification of any enzyme from a heterogenous solution.
  3. Laboratory Note Book. 2
  4. Viva-voce. 3
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3rd Semester Examination

**BIOTECHNOLOGY (Honours)**

**Paper - SEC 1P**

**(Industrial Fermentation)**

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

*Answer all questions*

1. Analyse the presence of protease/gheosidese activity in the supplied bacterial culture following standard protocol.10  
Principle-3, Procedure-4, Result and comment-3
  2. Analyze the amount of reducing sugar present in the supplied soilution. 5  
Principle-2, Result-3
  3. Laboratory Note Book. 2
  4. Viva-voce. 3
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