

Code No. 7079

**FACULTY OF SCIENCE**

**B.Sc. (CBCS) III – Semester Examination, December 2017**

**Subject : BIO-TECHNOLOGY**

**Paper – III (SEC-I)  
Enzyme Technology**

Time : 1 ½ hours

Max. Marks : 40

*Answer all questions from Part-A and Part-B.*

**Part – A (2 X 5 = 10 Marks)**  
(Short Answer Type)

a) Sources of production of industrial enzymes.

**OR**

b) Enzymes used in detergent industry

a) What is Pancreatitis?

**OR**

b) Enzymatic determination of Blood glucose and uric acid

**Part – B (2 X 15 = 30 Marks)**  
(Essay Answer Type)

a) Give a short note on isolated enzymes. Describe the applications of isolated enzymes in food and beverage industry.

**OR**

b) What are immobilized enzymes? Describe different methods of enzyme immobilization and advantages.

a) Discuss in detail determination of enzymatic activity for clinical diagnosis of heart diseases.

**OR**

b) Describe the clinical diagnosis and therapy for phenylketonuria.

\*\*\*\*\*