

2017

**BIOTECHNOLOGY**

[ **Honours** ]

( CBCS )

( Practical )

PAPER — C1P

*Full Marks* : 20

*Time* : 2 hours

Answer **one** question from (Q. No. 1 to 3) and rest **two** questions (4 and 5) are compulsory

*The figures in the right-hand margin indicate marks*

1. Identify the unknown amino acid sample (U) using at least five standard amino acids by paper chromatography ? 15

(Principle — 4, Procedure — 3, Work — 4,  
Result — 2, Comment — 2)

( Turn Over )

*Or*

2. Identify the supplied sample (S) using Benedict's Barfoed's and biuret test ? 15  
[Principle - 7, Work-3, Result -3,  
Comment - 2]

*Or*

3. Determine the optimum pH of Alpha ( $\alpha$ ) amylase. 15  
[Principle - 4, Procedure-3, Work -4,  
Result-2, Comment - 2]
4. Viva-voce. 3
5. Laboratory Note Book. 2