

**2013**

**M.Sc.**

**1st Semester Examination**

**BIOTECHNOLOGY**

**PAPER—BIT-105**

**(PRACTICAL)**

**Full Marks : 40**

**Time : 4 Hours**

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

*Candidates are required to give their answers in their own words as far as practicable.*

**Answer all questions.**

1. Prepare a temporary slide of the material supplied following proper staining. Identify and draw two meiotically dividing stages from the slide. Comment on your observation. 15

*(Principle — 3, Work - 4, Identification — 2,  
Drawing — 3, Comment — 3.)*

2. Prepare a slide from your buccal cavity with proper staining to identify the mitochondria. 10

*(Principle — 3, Work - 3, Draw — 2, Comment — 2.)*

*(Turn Over)*

3. Prepare a slide from your own blood sample and demonstrate two different types of WBC. Draw suitable labelled diagram of the cells. 3+2
  4. Laboratory Note Book. 5
  5. Viva-Voce. 5
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