

2013

M.Sc.

1st Semester Examination

BIOTECHNOLOGY

PAPER—BIT-106

(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.

(Microbiology)

1. Determine Indole and Methylred property of supplied specimen. 10

(Principle—2, Result—2, Comment—3, Work—3.)

and

Perform a suitable differential staining of the said specimen to find out Gram character of given bacteria.

5

(Principle—2, Microscopic Observation—3.)

2. Determine the amylase activity of supplied culture sup. 15

*(Principle—2, Working table—4,
Result—6, Comment—3.)*

(Turn Over)

3. Measure the concentration of antibiotic present in the supplied sample. 2+1+2
 4. Laboratory Note Book. 5
 5. Viva-Voce. 5
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