

**2010****M.Sc.****1st Semester Examination****MICROBIOLOGY****PAPER—VB****(PRACTICAL)****Full Marks : 25****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. Make a suitable staining of the endospore of supplied bacterial sample (A). Draw microscopic view of the stained bacteria and give your comment on it. 5  
(Work - 1, Stain - 2, Drawing - 1, Comment - 1)
2. Find out the MIC value of supplied antibiotics against the supplied organism and give your comment on it. 5  
(Work - 1, Result - 3, Comment - 1)
3. Show the fermentative capacity of the supplied bacterial sample (F) against the following sugars (G, H and I) and give your comment. 5  
(Work - 1, Result - 3, Comment - 1)
4. Laboratory Note Book. 2
5. Viva Voce. 3
6. Internal Assessment. 5