

**NEW**  
**Part-III 3-Tier**  
**2017**  
**MICROBIOLOGY**

**(Honours)**

**PAPER-VII**

**(PRACTICAL)**

Full Marks : 100

Time : 6 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. Find out the three-lobed neutrophil / monocyte after suitable staining of blood smear. 10  
[ Spot assessment--5;  
Comment & drawing--(2+3) ]
2. Determine the haemoglobin content of your blood by standard method. 10  
[ Principle--4; Result--3; Comment--3 ]

(Turn Over)

3. Find out the bacterial load in the supplied urine sample. 20  
[ Procedure—5; Spot assessment—5;  
Result—7; Comment—3 ]
4. Determine the quantity of lactic acid bacteria in the supplied milk product. 20  
[ Procedure—5; Spot assessment—5;  
Result—7; Comment—3 ]
5. Submit and discuss the group project. 20  
[ Work content—5; Contents of the submitted dissertation—5; Group discussion—10 ]
6. Viva-voce. 10
7. Laboratory Note Book. 10
-