

2009**M.Sc.****3rd Semester Examination****MICROBIOLOGY****PAPER—XVII****(PRACTICAL)****Full Marks : 40****Time : 10 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.

Group—A**Answer all questions.**

1. Find out the monocyte from the stained blood film. 5
(Work-4, Comment-1)
2. Show the agglutination zone by Ouchtertony's double diffusion technique using supplied antigen and antibody.

Or

Estimate the quantity of IgE of the supplied serum by ELISA method. 11

(Principle-4, Work-5, Result-2)

3. Laboratory Note Book. 2
4. Viva-voce. 2

(Turn Over)

Group—B

Answer *all* questions.

5. Enumerate the quantity of *E.coli* present in the supplied urine sample. Find out the sensitivity of those bacteria against the supplied antibiotics. 7+7

(Procedure-2+2, Result-4+4, Comment-1+1)

Or

Isolate the fungal pathogen from the swab taken from diseased person. Identify the genus with appropriate characters and diagrams. 2+6+6

6. Viva-voce. 3
7. Laboratory Note Book. 3
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