

RUHS

Second Year MBBS Examination

MBBS MICROBIOLOGY PAPER I

Time: 3 hours

Max Marks: 40

Date: 14-01-2010

Instructions: Question 1 in Section A and Question 5 in Section B are Compulsory. Attempt any two questions from rest of the questions in each section. (Use separate answer sheet for each section)

Section 1

1. Enumerate the causes of acute pyogenic meningitis. Discuss the pathogenicity and laboratory diagnosis of any one of them. (10)
2. Write Short notes on the following:
 - a) Aldehyde disinfectants (5)
 - b) Coagulase test (A. 204)
3. Write Short notes on the following:
 - a) IgM antibody (5)
 - b) Type III Hypersensitivity (A. 162, 166)
4. Write Short notes on the following:
 - a) Enrichment media (A. 42) (5)
 - b) Herd immunity (A. 85)

Section 2

5. Discuss the pathogenicity and laboratory diagnosis of Cholera (A. 306, 309, 676) (10)
6. Write Short notes on the following:
 - a) VDRT (5)
 - b) Toxic shock syndrome (A. 202)
7. Write Short notes on the following:
 - a) Capsule demonstration(A. 18, 199) (5)
 - b) Classical pathway of complement(A. 123-124)
8. Write Short notes on the following:
 - a) Innate immunity(A. 81) (5)
 - b) Culture media used for Salmonella (A. 291)

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