

RUHS

Second Year MBBS Examination

MBBS MICROBIOLOGY PAPER I

Date: 12-02-2020

Time: 3

hours

Max Marks: 40

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 various methods of sterilization. Describe the principle, working, control & uses of hot air oven (A. 29,31,33) (10)
 2. Write short notes on: (5)
 - a. Indole test
 - b. Transduction
 - c. Bacterial capsule
 3. Write short notes on: (5)
 - a. Inspissations
 - b. Biological role of complement
 - c. Herd immunity
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4. Write short note on: (5)
 - a. Selective medium
 - b. Endotoxin
 - c. Mantoux test

Section 2

5. Define hypersensitivity. Classify various types of hypersensitivity reactions. Explain Type-III hypersensitivity reaction in detail (10)
6. Write short notes on: (5)
 - a. Mutational drug resistance
 - b. IgM antibody
7. Write short notes on: (5)
 - a. Laboratory diagnosis of corynebacterium diphtheria
 - b. Pathogenicity of salmonella typhi
8. Write short notes on: (5)
 - a. T cell subsets
 - b. Atypical mycobacteria
