

Second Year MBBS Examination**MBBS MICROBIOLOGY PAPER I**

Time: 3 hours

Max Marks: 40

Date: 14-07-2019

Instructions: 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. What is cytokines? Discuss the mechanism of cell mediated immunity in details.
2. Write short note on :
 - a. Bacterial cell wall(A. 17)
 - b. Autoclave principle & uses(A. 29,31,33)
3. Write briefly on:
 - a. Laboratory diagnosis of diphtheria(A. 239)
 - b. Significant bacteriuria(A. 278)
4. Write short note on:
 - a. Stormy fermentation
 - b. R factor
 - c. Classify chemical disinfectant(A. 33)
 - d. Dienes phenomenon
 - e. Principle of oxidase test

Section 2

5. Enumerate the causes of PUO & discuss in detail the laboratory diagnosis.
6. Write short note on:
 - a. Mechanism of tetanus toxin
 - b. ETEC
7. Write briefly on:
 - a. LGV
 - b. Mechanism of autoimmunity

8. Write short note on:

- a. BCG vaccine
- b. Plasmid (A. 18)
- c. Transport media(A. 43)
- d. IgA antibody
- e. Transfer factor

(5)

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