

**RUHS Second MBBS (Main) Examination****Microbiology Paper -I****Date: January 2013      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 - A**

1. Enlist the bacteria causing meningitis in reference with different age group.

Describe laboratory method of diagnosis of pyogenic meningitis. (10)

2. Write Short notes on the following: (2 1/2 x 2 = 5)

- a) Biological waste management
- b) Type I hypersensitivity (A. 163)

3. Write short note on the following (2 1/2 x 2 = 5)

- a) Immunoprophylaxis
- b) Anaerobiosis (A. 46)

4. Write briefly on the following (1 x 5 = 5)

- a) Principle of immunochromatography test
- b) Define carrier and list different types of carrier (A. 72)
- c) Principle of autoclave (A. 31)
- d) Methods for demonstration of capsule (A. 18, 199)
- e) Draw and label bacterial growth curve (A. 22)

**SECTION B**

5. Classify Mycobacteria. Discuss laboratory diagnosis of pulmonary and extra pulmonary tuberculosis. (A. 343, 351, 352) (10)

6. Write Short notes on the following: (2 1/2 x 2 = 5)

- a) Leptospirosis (A. 380)
- b) Laboratory diagnosis of Diphtheria (A. 239)

7. Write Short notes on the following: (2 1/2 x 2 = 5)

- a) Pathogenesis and prevention of tetanus (A. 260)
- b) Food poisoning (A. 202, 300, 307)
- 8. Write briefly on the following; (1 x 5 = 5)
  - a) Causative agents of non- gonococcal urethritis (A. 234)
  - b) Significant bacteriuria (A. 278)
  - c) Define diarrhea and dysentery (A 285)
  - d) Beta-lactamase (A. 201)
  - e) Toxic-shock syndrome (A. 202)

\*\*\*\*\*

[www.FirstRanker.com](http://www.FirstRanker.com)