

**RUHS Second MBBS (Main) Examination****Microbiology Paper -I****Date: January 2014      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)

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**SECTION - A**

1. Describe various factors predisposing to microbial pathogenicity. (C. 149) (10)
2. Write Short notes on the following: (2 1/2 x 2 = 5)
  - a) Laboratory diagnosis of cholera (A. 306, 309, 676)
  - b) Post streptococcal lesions
3. Describe briefly (2 x 2)
  - a) Chemical sterilization (A. 33-34)
  - b) Nontreponemal tests (A. 375)
4. Describe briefly (1 x 5 = 5)
  - a) Antibodies acting on cell wall (A. 17)
  - b) Rodox potential
  - c) Haptens
  - d) Principle of ELISA test (A. 114)
  - e) Prozone phenomenon (A. 105)

**SECTION B**

5. Name various antigen-anti- body reactions. Describe briefly various agglutination reactions. (A. 104) (10)
6. Write Short notes on the following: (2 1/2 x 2 = 5)
  - a) Swimming pool granuloma
  - b) Laboratory diagnosis of gas gangrene (A. 253, 258)
7. Write Short notes on the following: (2 1/2 x 2 = 5)
  - a) Typhus fever (A. 296, 681)

- b) Helicobacter Pylori (A. 400)
- 8. Describe differences between the following; (1 x 5 = 5)
  - a) MRSA (A. 200)
  - b) Oxidase test
  - c) Name various enrichment media (A. 42)
  - d) Define family Enterobacteriaceae (A. 271)
  - (e) R factor

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