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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 variousantigen-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)

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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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