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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)

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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 immunochromtography 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)

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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)

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