

RUHS Second MBBS (Main) Examination**Microbiology Paper -II****Date: January 2016 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. Describe the pathogenesis and laboratory diagnosis of infection by human immunodeficiency virus. Enumerate the various opportunistic infections in AIDS. (A.608)(10)

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

- a) Viral inclusion bodies (A.444) (A.18)
- b) Enterobius vermicularis (B. 226)

3. Describe briefly (2 x 2 1/2 = 5)

- a) Laboratory diagnosis of malaria (B. 124)
- b) Neurocysticercosis

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

- a) Enlist four viruses which can cause trans-placental infections
- b) Free living Amoeba (B. 44)
- c) Enumerate the organism causing meningitis (A. 667)
- d) Iatrogenic infections
- e) Define and give examples of dimorphic fungi (A. 589)

SECTION - B

5. Define and enumerate the causes of Pyrexia of unknown origin. (PUO). Discuss the laboratory diagnosis of PUO. (10)

6. Write briefly on (2 x 2)

- a) Pathogenesis and clinical manifestation of herpes simplex virus 1 & 2 infection (A. 467)
- b) Differences between Taeniasolium and Taenia Saginata (B. 152)

7. Write Short notes on the following; ($2 \times 2 \frac{1}{2} = 5$)
- a) Laboratory diagnosis of candidiasis (A. 611)
 - b) Cutaneous larva migrans (B. 215)
8. Write Short notes on the following; ($5 \times 1 = 5$)
- a) Occult filariasis (B. 244)
 - b) Name two parasites associated with malignancy (B. 9)
 - c) Bacteriophage (A. 456)
 - d) Morphological classification of fungi with suitable examples (A. 589)
 - e) Draw and label morphology of influenza virus (A. 497)

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