

**MBBS 2<sup>nd</sup> Professional Examination, 2012****Microbiology****Paper II**

Time Allowed : 2 Hours

Full Marks : 40

**Use Separate answer script for each group***Attempt all questions. The figures in the margin indicate distribution of marks in each question.***Group – A**

1. a) A girl while playing sustained injury for which she attended the ER of a health center, where she received one dose of Tetanus toxoid. After a few weeks she developed jaundice, loss of appetite and fever. What is your diagnosis? What are the agents and how will you proceed for the diagnosis? Is there any vaccine against any of these agents and what is that? 2+6+2

or

- b) A patient has come to OPD with elephantiasis of one leg. What are the causative agents for the illness? How the disease is transmitted? Describe the pathogenesis of the disease. How will you diagnose the case in the laboratory? 1+1+4+4

**Group - B**

2. Write short notes on ( **any three** ) : 3 x 4
- a) PKDL
  - b) Dengue haemorrhagic fever. (DHF)
  - c) Mycetoma
  - d) Enumerate viral, parasite and fungal opportunistic infections associated with HIV infection

**Group - C**

3. Comment on ( **any three** ) : 3 x 4
- a) Relax is not associated with each and every malarial infection
  - b) Epstein–barr virus has a role in number of malignant disease
  - c) Influenza vaccine does not give long term protection against influenza
  - d) Hepatitis C virus

**Group – D**

4. Differentiate between : 3 x 2
- a) Cyst of *E. histolytica* and *E. coli*
  - b) Microfilaria of *W. bancrofti* and *B. malayi*
  - c) Live and Killed palio vaccine