

[LC 808]

APRIL 2013

Sub. Code: 3808

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION
(2009-2010 Regulation)

SECOND YEAR

PAPER II – PHARMACEUTICAL MICROBIOLOGY

Q.P. Code: 383808

Time: Three Hours

Maximum: 100 marks

Answer All questions

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain different type of ELISA and its importance.
b) How will you separate macromolecules (DNA, RNA) by Agarose gel electrophoresis method?
2. Write detail about symptom and treatment of following diseases:
 - i) Malaria
 - ii) Tuberculosis
 - iii) Cholera
 - iv) Hepatitis.

II. Write notes on:

(10 x 6 = 60)

1. Preparation of Alum precipitated toxoids.
2. Differentiate active and passive immunity.
3. Write on Viable counting methods.
4. Write differential media with examples.
5. Define validation and explain its importance.
6. Give brief account on Toxin neutralization test.
7. Specify the Function of T cells and B cells.
8. Write on gaseous sterilization method.
9. Antigen antibody interactions.
10. How will you carryout test for Sterility?
