

[LH 817]

OCTOBER 2015

Sub. Code: 3817

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)

THIRD YEAR

PAPER V – MEDICINAL CHEMISTRY

Q.P. Code : 383817

Time: Three Hours

Maximum: 70 marks

Answer ALL questions

I. Elaborate on :

(4 x 10 = 40)

1. Classify alkylating agents. Discuss in detail the mechanism of action and SAR of alkylating agents.
2. Enumerate various electronic and solubility parameters in QSAR.
3. Describe briefly on various approaches of prodrug design.
4. Briefly discuss the mechanism of action and SAR of azole antifungals.

II. Write notes on :

(6 x 5 = 30)

1. Write a short note on antihyperlipidemic agents.
2. Write the structure, mechanism of action and synthesis of pyrazinamide.
3. Write the structure and uses of any two diagnostic agents.
4. Write the structure, mechanism of action and synthesis of amantadine.
5. Write a short note on amino glycoside antibiotics.
6. Write a note on molecular mechanics.
