

(LJ 4271)

AUGUST 2016

Sub. Code: 4271

**FOURTH YEAR B.PHARM. EXAMINATION
PAPER V – MEDICINAL CHEMISTRY - II**

Q.P. Code : 564271

Time: Three hours

Maximum: 100 Marks

I. Essay:

(2 x 20 = 40)

1. a) Write the classification of antifungal agents.
b) MOA and SAR of Azole derivatives.
c) Synthesis of Miconazole and Tolnaftate.
2. a) Write notes on CADD.
b) Explain liquid phase synthesis.

II. Short notes:

(8 x 5 = 40)

1. Write the classification of Anti-anginal agents and synthesis of Nitroglycerin and Isosorbide.
2. Write the synthesis of cycloserine and its use.
3. Write the mechanism of anti-metabolite and structure of Floxuridine.
4. Write the synthesis of cyclophosphamide and methotrexate.
5. Explain insulin and its preparation.
6. Interconversion of Oestrogens.
7. Write notes on aminoglycoside antibiotics.
8. Write the structure and uses of Iodipamide meglumine and methacoline chloride. Synthesis of Fluorescein Na.

III. Short answers:

(10 x 2 = 20)

1. Structure and uses of mebendazole.
2. Structure and uses of dapsone.
3. Synthesis of benzyl benzoate.
4. Structure and uses of Amodiaquine HCL.
5. MOA of cholestyramine.
6. Structure of Thyroid hormone.
7. Structure and uses of didanosine.
8. MOA of penicillin.
9. Synthesis of Lindane.
10. MOA of piperazine derivatives.
