

(LK 4271)

FEBRUARY 2017

Sub. Code: 4271

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

*Q.P. Code : 564271*

**Time: Three hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. a) Classify antihypertensives and write the synthesis of Hydralazine and Disopyramide.  
b) MOA of captopril.
2. Define QSAR and discuss various parameters involved in the QSAR studies.

**II. Write notes on:****(8 x 5 = 40)**

1. Classify oral hypoglycemic agents and write the structure and mechanism of Metformin.
2. Explain the mechanism of alkylating agents.
3. Write note on anti-hyperlipidemic agents with structure.
4. Write the structure and uses of any five diagnostic agents.
5. Classify the antimalarial agents and write the synthesis of Chloroquine.
6. Write the classification of sulphonamides & write the synthesis of Sulphacetamide Sodium.
7. Explain the chemistry and nomenclature of steroids.
8. Write a note on antifungal agents.

**III. Short answers on:****(10 x 2 = 20)**

1. Write the structures of Halazone and Chlorhexidine.
2. Write the synthesis of cisplatin.
3. Classify anticoagulants.
4. Classify antiprotozoal agents.
5. Synthesis of silver sulphadiazine.
6. Synthesis of Nalidixic acid.
7. Write any two structures of first line anti tubercular agents.
8. Insulin preparations.
9. Write the structure and uses of Clofibrate and Dicoumerol.
10. Anti-thyroid agents.

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