

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/Back/Special Exam-2080, Mangsir/Poush

Program: Diploma in Pharmacy

Full Marks: 80

Year/Part: Third Year (2014)

Pass Marks: 32

Subject: Pharmaceutical Chemistry II

Time: 3 hrs

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group 'A' (Long Questions)

Attempt Any Three Question

[3x8=24]

1. Classify antihypertensive Drugs. Write down the structure, chemistry, properties and uses of atenolol.
2. Define Antibiotics. Write its chemical classification. Write structure, chemistry and uses of Amoxicillin.
3. Define Hormones. Write the chemical classification of hormones. Write structure, chemistry and uses of metformin.
4. Classify Antidepressants. Write structure, properties and uses of Alprazolam.

Group 'B' (Short Questions)

Attempt (Any Eight) Questions.

[8x4=32]

5. Differentiate between homocyclic and heterocyclic compounds. Write the structure of following heterocyclic rings: (a) Furan (b) Pyrimidine
6. Define Analgesics. Write the structure, chemistry and uses of paracetamol.
7. Define local anaesthetics. Write structure, chemistry and properties of Lignocaine.
8. Define antimalarial agent. Write structure, chemistry and properties of chloroquine.
9. What are cardiac glycoside? Write structure and uses of digoxin.
10. Classify antitubercular drugs. Write structure and chemistry of pyrazinamide.

Cont.....

~~12.~~ Define antineoplastic agent. Write structure, chemistry and uses of Fluorouracil.

~~13.~~ Write the structure, chemistry and uses of Azithromycin.

13. Define Anticholinergic agent. Write the structure, properties and uses of Atropine.

~~14.~~ Classify antihistamines. Write structure and uses of chlorpheniramine.

Group 'C' (Very Short Questions)

Attempt (Any Twelve) Questions.

[12x2=24]

~~15.~~ Write any two methods of preparation of benzene.

~~16.~~ Write structure and therapeutic uses of vitamin C.

~~17.~~ Write properties and uses of Barium sulphate.

~~18.~~ Define muscle relaxant with example.

~~19.~~ Write structure and uses of codein.

~~20.~~ Define scabicides and pediculocides with example.

~~21.~~ Write the uses of Doxycycline.

~~22.~~ Differentiate between antiseptic and disinfectant with example.

~~23.~~ Write structure and uses of metronidazole.

~~24.~~ Write short notes on Co-trimoxazole.

~~25.~~ Classify sulphonamide on the basis of chemical structure.

~~26.~~ Write structure and uses of carbimazole.

~~27.~~ Write structure and chemistry of salbutamol.

~~28.~~ Write use of prednisolone.

~~29.~~ Write structure and uses of Albendazole.

Good Luck!