

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

Regular Exam - 2080 Mangsir/Poush (Scholarship)

Program: Diploma in Pharmacy

Full Marks: 80

Year/Part: Second (2021)

Pass Marks: 32

Subject: Pharmacology I

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 Question)

Attempt any **THREE** questions.

[3×10=30]

1. Define analgesic and antipyretic agents. Explain the MOA, indication, adverse effects and contraindication of Diclofenac.
2. Define antibiotic. Classify them on the basis of mechanism of action. Write down MOA, indication, side effect of Tetracycline.
3. Write the neurotransmitter of ANS. Classify cholinergic drugs. Write down the pharmacology of Atropine.
4. Define the term laxative. Enlist the drug used in emesis. Write down the MOA, uses and dose of Omeprazole.
5. Define and classify bronchodilators. Write down the mechanism of action, uses and dose of Salmeterol.

Group 'B' (Short Question)

Attempt any **SIX** questions.

[6×5=30]

6. Define pharmacodynamics. Explain the principle of drug action.
7. Define antitussive and expectorant. Write the MOA and side effect of Dextromethorphan.
8. Classify the drugs used in gout. Write the MOA and uses of Methylprednisolone.
9. Explain briefly the MOA and indication of Loperamide.
10. Define antiadrenergic drugs. Classify it. Write the indication and side effect of Atenolol.
11. Enlist antiprotozoal drug. Explain MOA, indication and dose of Metronidazole.
12. Write MOA, indication and side effect of Azithromycin.

2

Cont.

candidate's name

13. Explain the MOA and uses of Cotrimoxazole. 5

Group 'C' (Very Short Question)

Attempt any TEN questions.

[10×2=20]

14. Define the term agonist and antagonist.

15. Write the regimen of triple drug therapy of H. pylori. 1

16. Write the MOA of ORS. 1 (1)

17. Write the various sources of drug. 1

18. Why NSAIDs are contraindicated in peptic ulcer disease? 2

19. Write the indication of Lactulose. 2

20. Name any four anti-viral drugs. 2 (2)

21. Write the MOA of Domperidone. 2

22. Define COPD. Enlist drugs used in COPD. 2

23. Write the side effect of Aminoglycosides. 2

24. Write the MOA of Fluconazole.

25. Why β -lactamase inhibitor are combined with β -lactam antibiotics?

26. Write MOA of Penicillin. 2

(2)

Good Luck!