

KATHMANDU UNIVERSITY
End Semester Examination [C]
December, 2024

Level : B.Pharm.
Year : III
Time : 2 hrs. 30mins.

12 DEC 2024

Course : PHAR 320
Semester : I
F. M. : 55

SECTION "B"

[5 Q. × 3 = 15 marks]

Attempt ANY FIVE questions.

1. Write down the MOA and side effects of chloroquine.
2. List out the different therapeutic indications and adverse effects of aminoglycosides.
3. Write a short note on carbapenem.
4. Mention the dose, therapeutic indications, and adverse effects of the metronidazole.
5. Explain the clinical uses of octreotide.
6. Write down the MOA and adverse effects of Griseofulvin.
7. Elaborate the adverse drug reactions associated with bisphosphonates use.

SECTION "C"

[5 Q. × 5 = 25 marks]

Attempt ANY FIVE questions.

8. Discuss the steps involved during thyroid hormone synthesis and uses of levothyroxine.
9. Classify antimalarial drugs. Write down the MOA, ADRs and uses of Primaquine.
10. Why is sulfamethoxazole combined with trimethoprim? Elaborate its MOA, antimicrobial spectrum and major clinical uses.
11. Classify Glucocorticoids. Write down the MOA, adverse effects and uses of Dexamethasone.
12. Explain the MOA, therapeutic indication, & adverse effects of fluoroquinolones.
13. Write in detail about the rational of the use of antimicrobials in combination.
14. Classify antifungal drugs. Explain in detail MOA and pharmacokinetic properties of griseofulvin.

P.T.O.

SECTION "D"
[2 Q. × 7.5 = 15 marks]

Attempt ANY TWO questions.

15. Classify the drugs used to treat tuberculosis with an example. State the MOA, kinetic characteristics, dose, and adverse effect of Rifampin. How tuberculosis can be treated in category I, II patients & pregnant women. Give its treatment regimen.
16. Write in detail on MOA of insulin, its types with uses. Discuss the treatment of diabetic ketoacidosis.
17. Enumerate the antimetabolites used in neoplastic disease. Explain the MOA, uses and ADRs of methotrexate.