

KATHMANDU UNIVERSITY  
End Semester Examination [C]  
July, 2017

JUL 14 2017

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

Course : PHAR 303  
Semester: I  
F. M. : 55

SECTION "B"

[5 Q. × 3 = 15 marks]

Answer *ANY FIVE* questions:

1. List out the drugs used for nematode infestations. Why albendazole is considered as drug of choice for neurocysticercosis.
2. Mention the causes of constipation. State the different indications for the laxative use.
3. Classify the sulfonamide. Why it should not be given in case of newborns? Explain the reason for this effect.
4. Explain the different routes of drug administrations. Mention the advantage and disadvantages of each route.
5. What do you understand by the term desensitization of the receptors? List down the adverse reaction that can occur with the use of drugs.
6. Give the details on neuromuscular blocking drugs.
7. What are adrenoreceptors? Explain indirect acting adrenergic agonists.

SECTION "C"

[5 Q. × 5 = 25 marks]

Answer *ANY FIVE* questions.

8. Why erythromycin should not be given along with warfarin? How does erythromycin exert its antimicrobial effect?
9. Define antibiotics. Elaborate on different problems associated with the use of antimicrobial therapy.
10. Explain in detail about the different urinary tract antiseptics.
11. Give advantages of echinocandin over azoles and antimebolite drugs. Write down mechanism of action, common adverse effects and indication of echinocandin.
12. What are antidiuretics? Explain the actions, pharmacokinetics, uses and side effects of antidiuretics.
13. What are the different types of angina? Classify the drugs used in angina and explain one drug of each group in detail.
14. Classify antihypertensive drugs. Give an account on hydralazine.

SECTION "D"

[2 Q. × 7.5 = 15 marks]

Answer *ANY TWO* questions.

15. Write down the mode of action of beta lactam antibiotics .Classify penicillin. Mention therapeutic indication, pharmacokinetics and adverse effects of drug penicillin.
16. Classify the nonspecific therapy for cough. Elaborate antiplatelet drugs. Give the adverse effect of elemental iron in the body. [2+4+1.5]
17. a. Write short note on vancomycin. [3.5]  
b. Discuss on efficacy, potency and selectivity of the drugs using dose response curve. [4]