

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
Pharmaceutical Chemistry (Elective-II)

UNIT – I CLASSIFICATION OF DRUGS

Section-A (6 marks)

1. Explain the classification of drugs.
2. Explain the mode of administration of drugs.
3. What are drugs? How are they classified?
4. Discuss the sources of drugs.
5. Describe about drug distribution and elimination.

Section-B (15 marks)

1. Explain the role of kidney in the elimination of drugs.
2. What are the different sources of drugs?
3. Explain the broadways of chemical classification of drugs.
4. Write short notes on drug absorption.
5. What is the site of action of drugs?

UNIT – II INDUSTRIAL ASPECTS - I

Section-A (6 marks)

1. Explain in detail about the maceration and percolation
2. Discuss in detail about the methods of drying.
3. Describe in detail about the evaporation methods.
4. Explain about the fractional and steam distillation.
5. Write a short note on centrifugation method.

Section-B (15 marks)

6. Explain in detail about the methods of filtration methods and Comminution process.

7. Describe in detail about the types of formulation and importance of it.
8. Discuss in detail about the factors affecting the formulation.
9. Describe in detail about the various packaging materials.

UNIT – III INDUSTRIAL ASPECTS –II

Section-A (6 marks)

1. Give a brief account on pharmacopeia testing.
2. Explain in detail about the drug analysis of Aspirin.
3. Write short note on Validation protocol
4. Discuss in detail about the drug analysis of paracetamol
5. Ennumerate in detail about the drug analysis of ciproflaxicin

Section-B (15 marks)

1. Describe in detail about the good manufacturing practices (15)
2. Give a brief account on Material management (15)
3. Discuss in detail about the drug analysis of Aspitin, paracetamol and ciproflaxicin.
4. Expalin in detail about the rules and regulations in pharmacopeia testing (15)

UNIT – IV EFFECT OF DRUGS

Section-A (6 marks)

1. Define Drug, allergy, intolerance
2. What is drug addiction, drug abuse explain with suitable examples
3. What is anticancer drug? Discuss the role of it for cancer treatment
4. What is radioisotopes? Give its applications
5. Explain in detail about biological effects of drugs
6. Give an account on drug
7. Discuss the advantages and disadvantages of drugs
8. What are steps to be followed to overcome the person with drug addiction
9. What is the significance of drug addiction

10. What is drug abuse? How it is affect in children
11. Differentiate drug addiction and drug abuse
12. Differentiate natural and manmade and radio isotopes
13. Give a mode of action of anticancer drug

Section-B (15 marks)

14. Discuss in detail about adverse responses and side effects of drugs
15. Discuss in detail about allergy and drugs intolerance
16. What are the symptoms, causes and drugs for cancer
17. Explain different types of anticancer drugs with suitable examples
18. What do you mean by drug design and development?
19. What are the major steps to be followed for drug development
20. Discuss in detail about antipsychotic drugs and its mode of actions

UNIT - V

ANESTHETICS, ANTIHISTAMINES AND ORGANIC PHARMACEUTICALS

Section-A (6 marks)

1. Explain in detail about the general and lcal anaesthetics
2. Give a brief account on antiseptics
3. Discuss in detail about H1 and H2 receptor antagonists
4. Ennumerate in detail about the disinfectants.

Section-B (15 marks)

5. Describe in detail about the Organic Pharmaceutical aids.
6. Discuss in detail about the role of antihistamines in medical field.
7. Write short notes on
 - (i) ether and vinyl ether
 - (ii) halogenated Hydrocarbons like chloroform
 - (iii) intravenous anesthetics
8. Give a brief account on Phenols and related compounds, formaldehyde and ethanol.
9. Explain in detail about the food additives and preservative agents.

