

END OF SEMESTER EXAMINATIONS, APRIL/MAY - 2018  
PHARMACEUTICAL CHEMISTRY  
SUBJECT CODE: 08UACH08

MAJOR: B.Sc. (Chemistry)  
TIME : 3 HOURS

SEMESTER : V  
MAX. MARKS: 75

**SECTION - A (10 X 1 = 10)**

**Answer ALL the Questions:**

1. Define drug.
2. What is meant by chemotherapy?
3. Define Rh factor.
4. Write the normal level of glucose in blood.
5. What is aspirin?
6. Draw the structure of heroin.
7. Which drug is called as queen of drugs?
8. What is sedative?
9. Indicate the sources of Vitamin C.
10. Give an example for antifungal drug.

**SECTION - B (5 X 4 = 20)**

**Answer ALL the Questions:**

11. a) Distinguish between bacteria and virus.  
(OR)  
b) How is drug assayed?
12. a) How is anemia detected?  
(OR)  
b) Write diagnostic test for salts in serum and urine.
13. a) Give the structure and mode of action of mebendazole.  
(OR)  
b) What are antipyretics? Give their structures.
14. a) What are antibiotics? How are they classified?  
(OR)  
b) Give the structure and uses of streptomycin.
15. a) Mention the sources and deficiency diseases of Vitamin A and D.  
(OR)  
b) Explain the causes of Malaria.

**SECTION - C (5 X 9 = 45)**

**Answer ALL the Questions:**

16. a) Discuss the various routes of drug administration.  
(OR)  
b) Explain phase 1 metabolism of drugs.
  17. a) How is glucose estimated in blood by ortho toluidine method?  
(OR)  
b) What is diabetes? Describe the detection and control methods of diabetes.
  18. a) Discuss the structure and therapeutic uses of morphine and pethidine.  
(OR)  
b) Write notes on
    - i) Muscle relaxants
    - ii) CNS stimulants
  19. a) Give the structure and uses of chloramphenicol, tetracycline and cefixime.  
(OR)  
b) Discuss the tranquilizers with suitable examples.
  20. a) What is AIDS? How is it caused? How will you prevent it?  
(OR)  
b) Discuss the causes and treatment method of filariasis and plague.
- \*\*\*\*\*