

S.No: 293

BATCH: 2003 - 2016

Reg. No.:

END OF SEMESTER EXAMINATIONS, APRIL / MAY - 2019  
 ELECTIVE - 2 : 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 Pharmacodynamics.
2. What is the physiological activity of drug?
3. What is the molecular weight of Hemoglobin?
4. Which type of protein is responsible for blood clotting mechanism?
5. What are the chemical name of Aspirin?
6. Expansion of NSAID.
7. What is the use of streptomycin drug?
8. What is the example of anti arrhythmic agent?
9. What is the deficiency of vitamin - c?
10. Expansion of AIDS.

**SECTION - B (5 x 4 = 20)****Answer ALL the Questions:**

11. a) Define: a) Pharmacology b) Pharmacy c) Chemotherapy d) Drug  
(OR)
- b) Write short notes on SAR.
12. a) Explain the blood coagulation.  
(OR)
- b) Discuss the Benedict's reagent method.
13. a) What are anesthetics? Give their examples.  
(OR)
- b) Write notes on structure and therapeutic uses of morphine.
14. a) Mention the causes and prevention of AIDS.  
(OR)
- b) Write notes on paraldehyde with example.
15. a) Give the definition and example of adrenalin and atropine.  
(OR)
- b) Write notes on a) BCG b) Tetanus Toxoid

**SECTION - C (5 x 9 = 45)****Answer ALL the Questions:**

16. a) Explain the following terms  
a) Distribution of drugs b) Biotransformation of drugs c) Excretion of drugs  
(OR)
- b) Short notes on: a) Bacteria b) Virus c) Fungi
17. a) Discuss the causes and detection of Anemia.  
(OR)
- b) Explain the estimation of hemoglobin count in blood.
18. a) What are the neuromuscular blocking agents and central muscular relaxants with example?  
(OR)
- b) Define antihistaminic drugs, preparation, uses and side effects of promethazine.
19. a) Explain the cardiovascular drugs.  
(OR)
- b) Write notes on penicillin, streptomycin, tetracycline.
20. a) Describe the malaria causes and prevention.  
(OR)
- b) What are vitamins? How are classified? Give one example for each class.

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