

**PHB Sample Paper - 2****D. Pharm Ist Year, THIRD SESSIONAL EXAMINATION, 2023 - 24**  
(PHARMACEUTICAL CHEMISTRY)**Time: 02 Hrs****Maximum Marks: 40****Instructions:**

1. Write the Roll no. on your question paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respects. Complaints in this regards, if any, should be made to the invigilatory staff on the duty in the exam centre within 15 minutes of Commencement of the exam. No complaint shall be entertained thereafter.

**(Section: A)****Q. A Multiple-Choice Questions:****(5)****Q 1) Phenobarbital is a derivative of .....**

- |                 |                 |
|-----------------|-----------------|
| a) Alkaloids    | b) Sulpha drugs |
| c) Barbiturates | d) Nitrobenzene |

**Q 2) Composition formula of burnosaf:**

- |                                     |                               |
|-------------------------------------|-------------------------------|
| a) Sucralfate + Silversulphadiazine | b) Sucralfate + sulphadiazine |
| c) Sulphur+ Phadiazine              | d) None of these              |

**Q 3) Atorvastatin is used in the treatment of:**

- |                    |                    |
|--------------------|--------------------|
| a) Anti-Arrhythmic | b) Diabetes        |
| c) Anaemia         | d) Lipid inhibitor |

**Q 4) Which of the following is Anti-viral Drug?**

- |                 |                |
|-----------------|----------------|
| a) Methotrexate | b) Acyclovir   |
| c) Atenolo      | d) Epinephrine |

**Q 5) Ecosporin is the brand name of which of the following?**

- |               |                |
|---------------|----------------|
| a) Aspirin    | b) Fluconazole |
| c) Ethambutol | d) Paracetamol |

**Q. B Fill in the blanks:****(5)****Q 6) Revital capsule used for .....****Q 7) TusQ-DX Liquid is used in the treatment.....****Q 8) Trypsin chymotrypsin diclofenac potassium & paracetamol drugs used for the treatment of.....****Q 9) Volini gel composition is .....****Q10) Salbutamol is a .....**

**(Section: B)**

**Q. C Short Answer Type Questions: (Attempt any five)**

**(5 × 3 = 15)**

1. Discuss different sources of impurities in pharmaceuticals.
2. Write in short about gravimetric analysis.
3. Discuss the amoxicillin with CV combination.
4. Write a note on narcotic antagonists.
5. Discuss in short about Anti-Neoplastic Agents with suitable examples.
6. Write the MOA of any three of the following.
  - a) Sulphamethoxazole
  - b) Tetracyclines
  - c) Atenolol
  - d) Neostigmine

**(Section: C)**

**Q. D Long Answer Type Questions: (Attempt any three)**

**(5 × 3 = 15)**

1. Describe the principle and chemical reactions involved in the limit test for the following:  
(any one)
  - a) Iron
  - b) Arsenic
2. What are antitubercular drugs? Write the Classification with example and MOA of antitubercular drugs.
3. Define any **two** of the following:
  - i) Proton pump inhibitors
  - ii) Injectable Anaesthetics
  - iii) Gastro-intestinal Agents.
  - iv) Write a note on saline cathartics.
4. Write the chemical structure of any five of the following:
  - a) Salicylic acid
  - b) PAS
  - c) Cephalexin
  - d) Imipramine
  - e) Omeprazole
  - f) Dopamine