

**PHB Sample Paper - 1**

**D. Pharm Ist Year, THIRD SESSIONAL EXAMINATION, 2022 - 23**  
(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) Which of the following is antacid?**

- |                            |                     |
|----------------------------|---------------------|
| a) Hydrogen peroxide       | b) Ferrous Fumarate |
| c) Aluminium Hydroxide Gel | d) Silver Nitrate   |

**Q 2) General Formula for alkene is:**

- |                  |                  |
|------------------|------------------|
| a) $C_nH_{2n+2}$ | b) $C_nH_{2n}$   |
| c) $C_nH_{2n+2}$ | d) None of these |

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

- |            |             |
|------------|-------------|
| a) Scurvy  | b) Diabetes |
| c) Anaemia | d) Marasmus |

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

- |                   |                          |
|-------------------|--------------------------|
| a) Methotrexate   | b) Chloroquine phosphate |
| c) Spironolactone | d) Epinephrine           |

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

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

**Q. B Fill in the blanks:****(5)****Q 6)** Nitrous oxide is also known as \_\_\_\_\_ gas.**Q 7)** Calmpose valium is brand name of \_\_\_\_\_.**Q 8)** Chloramphenicol is the drug of choice for the treatment of \_\_\_\_\_.**Q 9)** Hydrogen peroxide is used as an antidote in \_\_\_\_\_ and \_\_\_\_\_ poisoning.**Q10)** Thiopental sodium has \_\_\_\_\_ odour with taste.

**(Section: B)**

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

**(5 × 3 = 15)**

1. Discuss any three different sources of impurities in pharmaceuticals.
2. Write in short about gravimetric analysis.
3. Discuss the combination of antacids.
4. Write a note on non-narcotic antagonists.
5. Discuss in short about Antibiotics drugs with suitable examples.
6. Write the storage conditions of any three of the following.
  - a) Silver Nitrate
  - b) Ferrous Sulphate
  - c) Sodium Fluoride
  - d) Aluminium Hydroxide Gel

**(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 is redox titration? Discuss about the standardization of potassium permanganate against oxalic acid.
3. Define any **two** of the following:
  - i) Haematinics.
  - ii) Topical Agents
  - iii) Gastro-intestinal Agents.
  - iv) Write a note on saline cathartics.
4. Write the chemical structure of any five of the following:
  - a) Paracetamol
  - b) INH
  - c) Dapsone
  - d) Dopamine
  - e) Tetracycline
  - f) Imipramine Hydrochloride