

**PHB Sample Paper - 1**

**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) Etoricoxib is a.....**

- |                  |                  |
|------------------|------------------|
| a) Antipsychotic | b) Analgesics    |
| c) Antacids      | d) Burn medicine |

**Q 2) Composition formula of Benadryl Syrup:**

- a) Diphenhydramine + Ammonium Chloride + Sodium Citrate
- b) Diphenhydramine + Siler Chloride + Sodium Citrate
- c) Diphenhydramine + Magnesium + Sodium Citrate
- d) None of these

**Q 3) Vitamin C is used in the treatment of:**

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

**Q 4) Which of the following is Diuretics Drug?**

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

**Q 5) Which is the antiasthematic drug?**

- |                |                |
|----------------|----------------|
| 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)** Brufen is brand name of \_\_\_\_\_.**Q 8)** Isoniazid is the drug of choice for the treatment of \_\_\_\_\_.**Q 9)** Naloxone is used as an antidote in \_\_\_\_\_.**Q10)** Metronidazole has \_\_\_\_\_ taste.

(Section: B)

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

**(5 × 3 = 15)**

1. Discuss the type of impurities in pharmaceuticals.
2. Write in short about Volumetric analysis.
3. Discuss the composition of Cotrimoxazole.
4. Write a note on NSAIDs.
5. Discuss in short about Antimalarials drugs with suitable examples.
6. Write the MOA of any three of the following.
  - a) Amphotericin B
  - b) Ketamine
  - c) Fluconazole
  - 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) Chloride
  - b) Sulphate
2. What are antiviral drugs? Discuss about the classification and MOA of antiviral drugs.
3. Define any **two** of the following:
  - i) Sedative
  - ii) Medicinal Gases
  - iii) Antacids
  - iv) Methotrexate
4. Write the chemical structure of any five of the following:
  - a) Aspirin
  - b) Sulfanilamide
  - c) Ampicillin
  - d) Chlorpromazine
  - e) Tetracycline
  - f) Ketamine