

**PHARMACEUTICAL CHEMISTRY**

Time : 3:00 Hours]

[Maximum Marks : 80

**NOTES:**

- i) Attempt all questions.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.
- iii) Use of Pager and Mobile Phone by the students is not allowed.

**PART-A**

(Long Questions)

Answer any six questions. Each question carries equal marks

[6×5=30]

- Q1) Describe source and effect of impurities in pharmacopeial substances. What is importance of limit test?
- Q2) Explain the fundamentals of volumetric analysis. Discuss redox titration.
- Q3) Discuss and classify anti Neoplastic agents.
- Q4) Classify drugs acting on central nervous system. Explain chemical and physical properties of sedatives and hypnotics.
- Q5) Define and classify diuretic drugs. Discuss their chemical and physical properties.
- Q6) Explain the physical and chemical properties of cholinergic drugs and related agents.
- Q7) Classify the drugs acting on cardiovascular system. Describe Anti anginal drugs.

**PART-B**

(Short Questions)

Answer any ten questions. Each question carries equal marks

[10×3=30]

- Q1) Define accuracy and precision.
- Q2) NSAIDS
- Q3) Rifampicin
- Q4) Acid base titration
- Q5) Insulin
- Q6) Discuss in brief medicinal gases.
- Q7) Topical agents
- Q8) Give principle and limitations of Mohr's method.
- Q9) Clonazepam
- Q10) Ketamine
- Q11) Antiviral agents

**D.PHARMA EXIT EXAM**

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