

Sample Paper For D. Pharm—1st Year. SUBJECT— PHARMACEUTICAL CHEMISTRY.

I. Long answer type questions (Answer 6 out of 7) 6 x 5 = 30.

1. What is titration and write the details about acid-base titration.
2. Define the antimicrobial and their classification with suitable example any two (hydrogen peroxide, Chlorhexidine gluconate, boric acid).
3. Define the antibiotics and their classification with suitable example of any two (Doxycycline, Azithromycin, and Streptomycin).
4. Classify the dental products with suitable example and define any two- Denture cleaners, Denture adhesives, Mouth washes
5. Define the terms with suitable example (any two).
 - a. Antidepressants b. Haematinics c. Antifungal agents.
6. Discuss any two drugs in details-
 - a. Diazepam b. Valporic acid c. Phenytoin d. Thiopental sodium
7. Write short notes on any two limit test of-
 - a. Chlorides b. Arsenic c. Sulphates d. Iron.

II. Short answer type questions (Answer 10 out of 11). 10 x 3 = 30.

1. Define the titration method with example- redox titration, precipitation titration, complexometric titration).
2. Give an account of principle and method of gravimetric analysis.
3. Define the different types of impurities and their factor affecting in pharmaceutical preparations.
4. Define the different types of impurities and their factor affecting in pharmaceutical preparations.
5. Write the difference between lyophobic colloids and lyophilic colloids.
6. Define the indicator and their uses in pharmaceutical.
7. Define the category of the drug and write their uses and applications(any three- propranolol, metformin, moxifloxacin, acyclovir).
8. Define the category of the drug and write the stability and storage conditions of any three- Insulin, chloroquine, ibuprofen, Para Amino Salicylic Acid)
9. Define the terms- Antipsychotics, Anticonvulsants, Anti-neoplastic agents.

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10. Define the Anti-Tubercular with suitable example.

11. Write the suitable example of

- Cholinergic blocking agents.
- Cholinergic agents.
- Adrenergic antagonists.

III. Multiple choice questions.

Difference between experimental mean value and true value is known as which type of error.

- a. Relative
- b. absolute
- c. both
- d. none of these .

Analyst find a sample data- 65.4, 67.2, 66.5, 68.6, 67.8 if exact chemical percentage in sample is- 67.3 then precision range is-

- A. 65.4-67.2
- B. 65.4-67.8
- C. 67.2-67.8
- D. 65.4-68.6

Hydrogen addition is referred as—

- a. Oxidation
- b. reduction
- c. both
- d. none of these

How many significant number in—91.06

- a. 2
- b. 3
- c. 4
- d. not define

Furesamide drug are mainly titrated by—

- A. Direct titration

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- B. Back titration
- C. Replacement titration
- D. None of these.

Saturated hydrocarbons are otherwise referred as -

- A. Alkanes
- B. Alkenes
- C. Alkynes
- D. Alkaloids

The first step in IUPAC nomenclature is to identify the total number of carbon atoms present in the compound.

- A. True
- B. False

The substituent in the chain is named by replacing the "ane" in the alkanes by_____

- A. ene
- B. ie
- C. one
- D. yl

Which of the following is an active agent in antiseptic

- A. Alcohol
- B. Phenol
- C. Iodine
- D. All of the above

Disinfectants are _____

- A. Bacteriostatic
- B. Bactericidal
- C. Bacterial culture
- D. Fungicidal

Sulfonamides are _____ in action.

- A. Vicucidal
- B. Bactericidal
- C. Bacteriostatic
- D. Disinfectants

DDS stands for.

- A. Diamino diphenyl sulphone
- B. Diamino divinyl sulphone
- C. Dimethyl diphenyl sulphone

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D. Diphenyl sulphone

The heterocyclic nucleus present in sulphadiazine is

- A. Piperidine
- B. Pyridine
- C. Oxazole
- D. Pyrimidine

Aralen is a brand name for:

- A. Chloroquine
- B. Amodiaquine
- C. Pamaquine
- D. Primaquine

Itraconazole is from..... :

- A. Triazoles class
- B. Topical azoles
- C. Allylamines
- D. Antibiotics

Caffeine is also known as

- A. Coramine
- B. Caffeine
- C. Dapsone
- D. Procaine

Dopamine is a ____.

- A. Neurotransmitter in brain
- B. Unconsciousness
- C. Pain
- D. Swelling

The drug which increase urine flow

- A. Diuretics
- B. Local anaesthetics
- C. General anaesthesia
- D. Tranquilizers

The drug is a class Ia antiarrhythmic drug.

- A. Sotalol
- B. Propranolol
- C. Verapamil
- D. Quinidine

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Drugs used in treatment of hemorrhage _____

- A. Menadione
- B. Heparin
- C. Warfarin
- D. None of them

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