

FIRST YEAR PHARM. D. : Winter-2021
SUBJECT : PHARMACEUTICAL INORGANIC CHEMISTRY

Day : Friday
Date : 10-12-2021 W-2021-5728
Time : 10:00 AM TO 1:00 P.M.
Max. Marks : 70

N. B. :

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of remaining attempt **ANY TWO** questions from each Section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION – I

- Q. 1** A) Answer **ANY FOUR** out of six (08)
- i) Define the term Molarity and Normality.
 - ii) Give definition of Determinate error.
 - iii) What are significant figures?
 - iv) What is primary standard?
 - v) Significance of volhard method.
 - vi) What is Standard Deviation?
- B) Discuss in detail principle and methods involved in the precipitation titration. (03)
- Q. 2** Define aqueous acid base titration. Describe in detail with suitable example. theories of acid base indicators. (12)
- Q. 3** a) Define error. How to minimize source of error. Describe with suitable examples. (07)
- b) Write in detail about non aqueous solvents. (05)
- Q. 4** Write short notes on **ANY THREE** of the following: (12)
- a) Mohr Method
 - b) Masking and demasking agent
 - c) Back titration
 - d) Solubility products
 - e) Titration curve for strong acid v/s weak base

SECTION – II

- Q. 5** A) Answer **ANY FOUR** out of six (08)
- i) What is the role of dentifrices?
 - ii) Give the ideal properties of antiplaque agent.
 - iii) Why is zinc important for human health?
 - iv) What are the side effects associated with antacid therapy?
 - v) State the importance of acidifiers?
 - vi) Define the desensitizing agent in dental products and its example.
- B) Give the applications of Radio Pharmaceuticals. (03)

P. T. O.

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