

(2)

- Q.5 What are antimicrobials and astringents. Give their classification. Describe Iodine with reference to its chemical formula, properties, storage, molwt, incompatibility, types of iodine solutions and uses.
- Q.6 Describe yellow mercuric oxide and Ammoniated mercury with respect to their chemical formula, synonym, molwt properties, storage and uses.
- Q.7 Give at least 8 pharmaceutical preparations containing Sodium Chloride along with their composition and uses.
- Q.8 Short notes (Any four)
- (1) Inhalants (Any two)
  - (2) Expectorant and emetics
  - (3) Respiratory stimulants
  - (4) G-M counters (with diagram)
  - (5) Major Extracellular ions

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[Total No. of Questions: 8 ]

[Total No. of Printed Pages : 2]

Enroll. No.....

**DP-102**  
**D. Pharmacy I<sup>st</sup> Year**  
**Examination – April 2021**  
**Pharmaceutical Chemistry-I**

*Time: Three Hours*

**Maximum Mark: 80**

**Note:-** Attempt any five questions. (Each question carries equal marks)

- Q.1 What are radiopharmaceuticals? Give difference between  $\alpha$ ,  $\beta$  and  $\gamma$  rays. Describe application of radioisotopes.
- Q.2 What are Topical agents. Describe Protectives. Describe Talc with respect to its chemical formula, synonym, properties, storage and uses.
- Q.3 What are dental products. Describe Stannous Fluoride and Sodium Fluoride with respect to its chemical formula, Molwt, Synonym, properties and uses.
- Q.4 What is Limit Test for impurities. Describe Limit Test for Lead (B.P) and (I.P) both methods in detail.