

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2124)

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B. Pharmacy 1st Semester Examination
Pharmaceutical Inorganic Chemistry (NS)

BP-111

Time : 3 Hours

Max. Marks : 70

All candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) Section E is Compulsory.
(ii) Do any one question each from Section A, B, C & D.

SECTION - A

1. (a) Write in detail about test for heavy metals. (7)
(b) What are systemic antacid? Write about preparation, properties, test for purity and uses of one systemic antacid. (7)
2. (a) What is the significance of Potassium ion in the body? Write about preparation and uses of two official compounds of Potassium. (7)
(b) Write in brief about Oral Rehydration Therapy. (7)

SECTION - B

3. (a) What do you understand by "Essential & Traces" ions? Discuss the Role of Calcium & Copper in body. (7)
(b) Write short note on Cathartics. (7)
4. Classify topical agents. Write in detail about protectives with special emphasis on Silicone compounds. (14)

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SECTION - C

5. What are inhalant? Explain with diagram Oxygen circulation in body. Write about monograph of Nitrous oxide. (14)
6. Discuss the role of fluorides in dental products. Write about monograph of Sodium Fluoride. (14)

SECTION - D

7. Write short note on:
- (a) Expectorants
- (b) Complexing & Chelating Agent. (14)
8. (a) Define antidote. Write in detail about various antidotes. (7)
- (b) Write in detail about various preservatives used in pharmaceutical preparation. (7)

SECTION - E

9. (a) Mention main side effect of Aluminium containing antacid.
- (b) What are respiratory stimulants? Give examples.
- (c) Explain briefly principle in limit test of sulphates.
- (d) Define iodophors. What are the advantage of iodophore over simple iodine solution?
- (e) How carbonic acid & bicarbonate buffer system act for maintaining plasma pH?
- (f) What is mechanism of action of halogen containing antimicrobial agents?
- (g) Give two example each of preservative & Antioxidants. (2×7=14)

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