

Roll No.

Total No. of Questions : 10]

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B.Pharmacy (Sem. - 1st)

PHARMACEUTICAL CHEMISTRY - I

(Inorganic Pharmaceutical Chemistry - I) (2k9 Batch)

SUBJECT CODE : PHM - 1.1.4

Paper ID : [D0147]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 80

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Three** questions from Section - C.

Section - A

Q1)

(15 × 2 = 30)

- a) Define the purpose of limit tests.
- b) Why thioglycollic acid is used in the limit test of Iron.
- c) What are trace elements?
- d) Why sodium thiosulphate is prepared in recently boiled and cooled water.
- e) What is composition and use of calomel?
- f) What are uses of Zinc Sulphate?
- g) What is the function of potassium sulphate and ethanol in Barium sulphate reagent?
- h) Why Black Stain results when silver nitrate solution comes in contact with the skin.
- i) What do you understand by term isotonic solution?
- j) Give pharmaceutical uses of activated charcoal.
- k) Why starch solution as indicator is used towards the end of titration in Iodometry and Iodimetry.
- l) What is Lugol solution?
- m) What are the uses of Titanium dioxide?
- n) Name of two antimicrobial agents.
- o) How will you prepare 0.1 NH₂SO₄.

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P.T.O.

Section - B

(4 × 5 = 20)

- Q2)** Write a short note on Dentrifrices containing fluorides.
- Q3)** Write in detail limit test for lead.
- Q4)** What is meant by bacteriostatic water for injection? How is it different from sterile water for injection?
- Q5)** Write a short note on Iron containing pharmaceuticals.
- Q6)** Give the assay procedure and uses of Yellow mercuric oxide.

Section - C

(3 × 10 = 30)

- Q7)** Write short note on gastrointestinal agents? Classify those giving suitable examples. Write a complete monograph of any one antacid studied by you.
- Q8)** Write detailed note on respiratory stimulant.
- Q9)** How the physiological acid base balance is maintained in the body. Name various electrolytes used in acid base therapy.
- Q10)** What are antioxidants? What is their utility in pharmaceutical? Give the detail of their mechanism. Discuss the various criteria for selections of inorganic antioxidants.

