

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 13

B.Pharma (2017 & Onwards) (Sem.-1)
PHARMACEUTICAL INORGANIC CHEMISTRY
Subject Code : BP-104T
M.Code : 74647

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

SECTION-A**1. Write in brief about the following/Fill in the blank :**

- a. Define acidifiers with examples.
- b. Role of nitric acid in limit test of chloride.
- c. Why combination antacid preparations are preferred?
- d. Advantage of using aluminium phosphate over aluminium hydroxide as antacid.
- e. Name the sources of calcium in replacement therapy.
- f. Define adsorbents.
- g. Name two anticaries agents.
- h. Role of glycerol in boric acid assay.
- i. Half life of radioactive substances.
- j. Example of extracellular and intracellular cation is.....

SECTION-B

2. What are radioactive substances? Name the different types of radiations emitted by them, discuss their properties, and interactions with matter in detail.
3. Define limit test. Name and draw labelled diagram of the apparatus used for limit test. Discuss in detail the principle, procedure and reactions involved in limit test lead.
4. Define and classify dentrifices according to their action. Discuss the method of preparation, assay of **any two** official preparations.

SECTION-C

5. Selection criteria of antioxidants.
6. Brief account of Haematinics.
7. Storage and precautions of radioactive substances.
8. Comment on "*Sodium potassium Tartarate as an Emetic*".
9. Discuss different causes and mechanism of tooth decay.
10. Define astringents and classify them according to their action with suitable examples.
11. Explain buffer, and buffer equation.
12. Physiological acid base balance.
13. Discuss iodine preparations as antimicrobial.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.