Roll No.	Total No. of Pages : 02
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Total No. of Questions: 10

B.Pharma (2011 to 2016) (Sem.-1) PHARMACEUTICAL CHEMISTRY-I (Inorganic Pharmaceutical Chemistry)

Subject Code: BPHM-102 M.Code: 46202

Time: 3 Hrs. Max. Marks: 80

INSTRUCTIONS TO CANDIDATES:

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

SECTION-A

1. Define and give example if any :

- a) Buffer capacity
- b) Replacement therapy
- c) Handerson-Hasselbach equation
- d) Haematinics
- e) Antiflatulant
- f) Expectorants
- g) Diluent
- h) Hard and soft acid
- i) Chelating agent
- j) Temporary and permanent hard water

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- k) pKa
- 1) Essential ions
- m) Cathartics
- n) Astringents
- o) Antioxidants

SECTION-B

- 2. Discuss in detail the chemistry of various complexing agents.
- 3. Give a brief account of mineral supplements.
- 4. What are different kinds of topical agents? Discuss any one category.
- 5. Comment upon oxidative antimicrobial agents.
- 6. Write short note on various types of waters.

SECTION-C

- 7. What are antacids? Give names and formulae of five antacids. What are the side effects associated with antacid therapy? What are the requirements of an ideal antacid?
- 8. What are the major physiological ions present in body? Give a detailed account of sodium ions.
- 9. Write a detailed note on oxidative antimicrobial agents.
- 10. Discuss different sources of impurities in phannacopeial substances. Give principle and procedure for limit test of sulphates.

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.

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