



RA-014-1041007

Seat No. _____

M. P. M. (Sem. I) (CBCS) Examination

February - 2019

Pharmaceutical Inorganic Chemistry : BP - 104

Faculty Code : 014

Subject Code : 1041007

Time : 3 Hours]

[Total Marks : 75

1 Answer the following questions : 20

- (1) What are IP, BP and USP ?
- (2) Write reaction and principle involved in limit test for Iron.
- (3) How we can determine Buffer Capacity ?
- (4) What is ORS? Write its chemical composition.
- (5) Write chemical formula and use of milk of magnesia and chlorinated lime.
- (6) What is Hematinics? Give examples of it.
- (7) What is Buffer? Give example of acidic buffer.
- (8) Give method for preparation and reaction of potash alum.
- (9) Classify dental products with at least one example in each class.
- (10) What are radiopharmaceuticals ? Explain with one example.

2 Answer the following questions : (any two) 20

- (1) Define limit test. Explain reaction, principle and apparatus involved in limit test of Arsenic.
- (2) What is anti-microbial agent? Classify it with example and explain its mechanism of action.
- (3) Write method for preparation, assay and uses of following compounds.
 - (a) H_2O_2
 - (b) NH_4Cl
 - (c) H_3BO_3

3 Answer the following questions : (any **seven**)

35

- (1) Write reaction and principle involved in limit test for Chloride and Sulphate.
- (2) Enlist sources of impurities. Explain any two in detail.
- (3) Classify Major extra and intracellular electrolytes. Explain functions of Na and K.
- (4) Explain role of fluoride in the treatment of dental caries. Write properties, use and storage condition of NaF.
- (5) Give examples of combination therapy used as antacid. Explain preparation, properties, use and storage condition of Magnesium contacting antacid.
- (6) Define Cathartics, Astringents, Expectorant, emetics and antidotes with examples.
- (7) Define and Classify GIT agents with example. Write chemical formula, properties, use and storage condition of Aluminium hydroxide gel.
- (8) Explain GM counter and pharmaceutical applications of radiopharmaceuticals.
- (9) Write method for preparation and uses of Calcium gluconate and Ferrous gluconate.
