Code No: BP104T

PCI

SET - 1

I B. Pharmacy I Semester Supplementary Examinations, May - 2019 PHARMACEUTICAL INORGANIC CHEMISTRY-I

Time: 3 hours Max. Marks: 75

Note: 1. Question paper consists of three parts (Part-I, Part-II & Part-III)

- 2. Answer ALL (Multiple Choice) Questions from Part-I
- 3. Answer any TWO Questions from Part-II
- 4. Answer any **SEVEN**Questions from **Part-III**

PART -I

1. Astringents precipitate (i) (1M)(a) Lipids (b) Starch (c) Proteins (d) Oils (ii) The legally recognized book of standards for the quality of drugs and dosage (1M)forms in India is (a) BP (b) IP (c) USP (d) EP (iii) The test used to estimate the quantity of active ingredient in a substance is (1M)(a) Assay (b) Identification test (c) Qualitative test (d) Toxicity tests (iv) The substances that are used to neutralize gastric acid are (1M)(a) Cathartics (b) Laxatives (c) Antidotes (d) Antacids The following is not a hematinic (v) (1M)(a) Ferrous sulphate (b) Ferric Ammonium Citrate (c) Ferrous Fumarate (d) Magnesium sulphate (vi) The indicator used is in the assay of Ferrous sulphate is (1M)(a) Phenolphthalein (b) Ferroin (c) Crystal violet (d) Methyl orange Boric acid is (vii) (1M)(a) Antimicrobial (b) Antidote (c) Antacid (d) Cathartic (viii) In limit test for Iron the purple colored substance formed is (1M)(a) Ferrous sulphate (b) Ferrous fumarate (c) Ferrous thioglycolate (d) Ferric oxide The units used for the measurement of radioactivity are (ix) (1M)

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(a) Curie (b) Mary (c) Dynes (d) Kgs

PART -II

2.	a)	Write the principle and reaction present in the modified limit test for Sulphate.	(5M)
	b)	Define antacids. What are the ideal characteristics of an antacid?	(5M)
3.	a)	Write the principle and reaction involved in the assay of Ammonium chloride.	(5M)
	b)	Explain the preparation and uses of Hydrogen peroxide.	(5M)
4.	a)	Define and classify Radiopharmaceuticals.	(5M)
	b)	Write the preparation and uses of Phosphate buffer.	(5M)
PART -III			
5.		Define Buffers and write the applications of buffers in pharmacy.	(5M)
6.		Differentiate primary standard and secondary standard.	(5M)
7.		Write the procedure and principle involved in the assay of Ferrous sulphate.	(5M)
8.		Why is it necessary to limit impurities in pharmaceuticals?	(5M)
9.		Mention different Fluorides used in dental products and write their uses.	(5M)
10.		How do you treat Cyanide poisoning?	(5M)
11.		How is half life of a radioisotope calculated?	(5M)
12.		Write the principle and reaction involved in the assay of Calcium gluconate.	(5M)
13.		What are Emetics? Write the properties of 'y' radiations.	(5M)