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BP-104 T

DEC-23-0060

SECTION-B

(2×10=20)

BP-104 T (Pharmaceutical Inorganic Chemistry)

(Essay type long answer)

B.Pharm-1st (PCI)

Time : 3 Hours

Max. Marks : 75

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

2. Write a detailed note on electrolytes used in the replacement therapy.

3. Discuss the sources and types of impurities in pharmaceuticals.

**Note:** SECTION-A is COMPULSORY consisting of TEN questions carrying 2 marks each. SECTION - B contains THREE questions carrying 10 marks each and student has to attempt any TWO questions. SECTION-C contains NINE questions carrying 05 marks each and student has to attempt any SEVEN questions.

4. Define antacids. Write the ideal characteristics of antacids. Discuss aluminium hydroxide gel and magnesium hydroxide gel.

SECTION-C

(7×5=35)

(Short note answer)

5. Describe the storage conditions and precautions during handling of radiopharmaceuticals.

SECTION-A

(10×2=20)

1. Short Answer briefly:

6. Define expectorants. Write the method of preparation and assay of ammonium chloride.

(a) Define buffers.

(b) Write the uses of sodium chloride as pharmaceuticals.

7. Write the method of preparation, assay and uses of copper sulphate.

(c) What is zinc eugenol cement?

(d) Write the uses of sodium iodide-131 isotope.

8. Classify antimicrobial agents. Write a note on iodine and its preparations.

(e) Define haematinics. Give a drug example with structure.

9. Write a note on oral rehydration salts ORS.

(f) Write the category, structure and uses of sodium thiosulphate.

10. Discuss various methods of measurement of isotonicity.

(g) Write the category, structure and uses of Kaolin.

11. Define dentifrices. What is the role of fluorides in treatment of dental caries?

(h) Define astringent. Give 2 drug examples with structure.

(i) What are cathartics? Give 2 drug examples with structure.

12. Write the principle and method for limit test of sulphate.

(j) Write the structure and uses of boric acid.

13. Write down the method of preparation, assay and use of hydrogen peroxide.