UG Even Semester (CBCS) Exam., May—2017

PHARMACEUTICAL SCIENCES

(2nd Semester)

Course No. : BPH–205 (C)

[Pharmaceutical Chemistry–II (Inorganic Chemistry)]

Full Marks : 75
Pass Marks : 30

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. Discuss in detail about the sources of impurities in pharmaceuticals. Write down the principles and procedure of limit test for sulphate. 9+6=15

2. Define and classify antacids with examples. Write down the preparation and properties of any one non-systemic antacid. Write a note on protectives and adsorbent. 2+3+6+4=15

UNIT—II

3. *(a)* Write down the method of preparation, properties and uses of boric acid and zinc oxide. (3+2+1)×2=12

(b) Write a brief note on alum. 3

4. Define essential and trace elements. Write their importances in human body. Write a note on iron as hematinics. 2+7+6=15

UNIT—III

5. Discuss in detail about different inorganic dental products. 15

6. What do you mean by electrolyte? Give examples of extra- and intracellular electrolytes. Discuss the roles of electrolytes in human body. Write a note on respiratory stimulant. 2+2+7+4=15

UNIT—IV

7. Discuss in detail about different types of detector used for the measurement of radioactivity. Explain the term 'isotopes'. 12+3=15

8. What is the basic property of radioactive substances? What are the rays emitted from radioactive substances? State their properties in detail. Discuss in brief about the application of radioisotopes. 1+1+6+7=15

UNIT—V

9. Write notes on the following : 7½×2=15

(a) Adsorbents

(b) Colorants

10. Define expectorant. Give two examples of inorganic expectorant. How do they work? Write down the method of preparation, properties, storage condition of any one inorganic expectorant. 2+2+4+7=15

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