

BACHELOR OF PHARMACY EXAMINATION, 2017

(B. Pharm 2nd Year, 1st Semester SUPPLE)

Pharmaceutical Chemistry – V

Time: Three hours.

Full Marks: 100

Answer any *five* questions taking at least two from each group

GROUP – A

1. a) State the composition of body fluids with the importance of different ions.
b) Explain the role of Iron in therapy. State briefly about the diseases caused due to deficiency of Calcium. 10+10 = 20

2. a) State the importance of Zinc and Calcium for normal growth and development of our body and name the diseases caused for their deficiency
b) Explain the composition of Dextrose saline solution IP and its importance. 12+8 = 20

3. Discuss the composition, therapeutic application and analytical techniques for assay of the following SVPS as described in Indian Pharmacopoeia (IP) : 4x5 = 20
 - a) Dextran injection IP
 - b) Pethidine injection IP
 - c) Ringer lactate IP
 - d) Benzyl penicillin injection IP

GROUP-B

Ref.No:EX/PHARM/T/214\2017(S)

B.PHARM 2ND YR. 1ST SEM. SUPPLIMENTARY EXAM-2017(S)

PHARMACEUTICAL CHEMISTRY-V(Inorganic)

4. (a). Define antiseptic and disinfectants with examples.

(b). Discuss the mechanism of action of Inorganic germicides.

(c). Discuss the preparation, properties and uses of H₂O₂, KMnO₄, Sulphur and Yellow mercuric oxide.

4+4+12=20

5. (a). What do you mean by constipation ? Define and classify cathartics with examples.

(b). Discuss the preparation, properties, storage condition and uses of sodium potassium tartrate and sodium phosphate.

(c). Write a note on bulk and emolient purgatives.

4+8+8=20

6.(a).Classify various water with their additional compositions.

(b). How can you overcome the temporary and permanent hardness of water ?

(c). Discuss in brief the water for parenterals and mention various glasses used in pharmacy.

4+4+(8+4)=20

7. (a). What is a pyrogen? How can you prepare pyrogen free water?

(b). What are the difference between 'water for injection' and 'sterile water for injection' ?

(c). Discuss the factors and methodology for selection of suitability of water.

8+3+9=20