Code: 15R00403

R15

B.Pharm II Year II Semester (R15) Supplementary Examinations December 2017

PHARMACEUTICAL TECHNOLOGY – I

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

(a) Write the significance of preformulation studies with suitable examples.
(b) Mention the problems of oxidation and how the product is protected.
(c) What is the need for preparation of dry syrups? Give two examples of dry syrups.
(d) Give the classification of emulsifying agents.
(e) Define ointment, paste and jelly. Give suitable example for each.
(f) Define displacement value and mention its significance.
(g) Mention the advantages of aerosol.
(h) What are the reasons for banning fluoro hydrocarbons in aerosols?
(i) Mention the uses of human fibrin.
(j) Name the anticoagulants for preventing the clotting of blood.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 Explain the methods for studying the drug-excipient compatibility.

OR

3 Explain the stability testing of drug products as per ICH guidelines.

UNIT – II

4 Enumerate the additives used in the preparation of liquid orals.

OR

5 Explain the preparation methods for emulsions mentioning their relative advantages.

UNIT – III

6 Write about the mechanism of penetration of drugs across skin and factors influencing the same.

OR

7 Give the advantages of suppositories and give the classification of suppository bases. Briefly explain the method of manufacture of suppositories.

UNIT – IV

8 Write about formulation additives for aerosols.

OR

9 Explain the evaluation tests for aerosols.

UNIT – V

10 Explain the preparation of dried human plasma and mention its uses.

OR

11 Write about the quality control of blood products.

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