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Total No. of Printed Pages: [01]

Total No. of Questions: [13]

B. Pharmacy (Semester – 5th)
INDUSTRIAL PHARMACY-I
Subject Code: BP502T
Paper ID: [17170124]

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) Define polymorphism with suitable example.
 - b) Give the BCS classification of drugs.
 - c) Mention the quality control tests for glass.
 - d) Define and classify cosmetics.
 - e) Define mottling and orange peel defects.
 - f) Differentiate between hard and soft gelatin capsules.
 - g) Give the importance of isotonicity in parenteral products.
 - h) What is aseptic processing?
 - i) Define base adsorption and minim per gram factor.
 - j) Mention the characteristics of an ideal ophthalmic preparation.

Section – B

(5 marks each)

- Q2. Elaborate packaging materials with respect to different dosage form.
- Q3. Describe in detail about the production of hard gelatin capsule shell.
- Q4. Explain the formulation requirements of pellets.
- Q5. Give a brief note on quality control tests for tablets.
- Q6. Define and classify suspension. Give its formulation and methods of preparation.
- Q7. Write a short note on formulation and method of preparation of shampoo.
- Q8. Discuss about the evaluation of liquid orals official in pharmacopoeia.
- Q9. Give a brief account on application of pre-formulation considerations in the development of solid, liquid orals and parenteral dosage forms.
- Q10. Define aerosol. Explain the formulation and evaluation of aerosols.

Section – C

(10 marks each)

- Q11. Define pre-formulation. Discuss importance of solubility, partition coefficient, polymorphism, particle size and shape on dosage form.
- Q12. Discuss in detail about the quality control tests for parenteral products.
- Q13. Explain in detail about the different methods of tablet preparation along with their merits and demerits.