

BACHELOR OF PHARMACY EXAMINATION, 2024

(3rd Year, 1st Semester)

INDUSTRIAL PHARMACY I

Time : Three hours

Full Marks : 75

Note: Question 1 is Compulsory.

Q1. Answer the following questions.10x2M=20 Marks

- a. Define polymorphism with examples.
- b. Explain physical interaction with an example.
- c. Enlist the IPQC tests for tablets.
- d. Give the name of two devices which are used to test tablet hardness.
- e. Give the use of Accela-Cota & Sigma blade mixer in the production of tablets.
- f. Define aerosol.
- g. What is the chemical formula of propellant 11?
- h. Define pyrogen.
- i. Give two examples of compressed gases as propellant.
- j. What is the role of the buffering agent in pharmaceutical parenteral products?

Long Answer Questions2 x 10Marks = 20Marks

(Answer 2 out of 3)

- Q2.** Enumerate the rules governing the nomenclature of CFC propellant with two examples.
Give examples of hydrocarbon propellant and compressed gas. 7+3
- Q3.** Give the importance of granulation. Explain dry granulation. 5+5
- Q4.** Describe the tablet coating defects with its remedies. 10

Short Answer Question7 x 5Marks = 35Marks

(Answer 7 out of 9)

- Q5. Write a discussion on different types of actuators.
- Q6. How spray powder type aerosol system works.
- Q7. What is the aerosol container valve acceptance test?
- Q8. How pyrogen testing is done by Rabbit and LAL test. 2.5+2.5
- Q9. Diss 'Glass containers are classified based on hydrolytic resistance'
- Q10. Classify cosmetics with examples.
- Q11. Write a note on Shampoo.
- Q12. Explain BCS with examples.
- Q13. Give the identification tests for emulsion.