



FORMULATION TECHNOLOGY AND VALIDATION

**PAPER II
(RS 2 & RS 3)**

Q.P. CODE : 9292

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. What is the objective of preformulation studies? Discuss in detail about various physical properties to be studied before design of dosage forms.
2. Explain the accelerated stability studies and prediction of shelf life.
3. Discuss the importance of validation. Write a note on validation of dry heat sterilization.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Write in note on validation of Pharmaceutical water system.
5. Discuss briefly the different types of containers and closures used for packaging of pharmaceuticals.
6. Give an account on quality control tests of parenterals.
7. Discuss in detail about any, one solubilization technique with examples.
8. Describe the formulation of transdermal patch.
9. Elaborate the general quality control tests of skin care products.

SHORT NOTES

2 X 5 = 10 Marks

10. Give short notes on baby care products.
11. Give the different types of tablets with examples.

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