



**Pharmaceutical Technology and Validation**

**(Revised Scheme 4)**

**Q.P. CODE: 9362**

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. Write about various techniques involved in enhancing the solubility of a API. Write in detail about enhancement of solubilization by different methods.
2. Explain *invivo- invitro* correlation in detail.
3. Define Validation. Classify validation. Explain validation of HAVC system.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Write a note on force degradation.
5. Discuss similarity and dissimilarity factors
6. Discuss primary and secondary packaging
7. Explain about validation of tablet punching machine.
8. Write about validation of fluid bed drier and mixer.
9. Discuss on different types of containers and closures used in pharmaceuticals.

**SHORT NOTES be**

**2 X 5 = 10 Marks**

10. Explain validation of electronic record.
11. What is BCS Classification? Explain.

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