

AV – 2481

Third Year Pharm. D. Examination

PHARMACEUTICAL FORMULATION

Paper - 3.6

(USC – 35126)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 70

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- Note :** (1) Answer any **Five** questions from Q. no. **Two** to **Nine** questions.
(2) Question no. **One** is compulsory.
(3) Diagrams and Chemical equations should be given wherever necessary.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Explain the different granulation techniques. Discuss the official quality control studies of tablets. 15
2. Define an emulsion. Explain in detail about formulation and evaluation of emulsion. 11
3. Define and classify capsule. Explain about different sizes and filling of hard gelatin capsules. 11
4. Define biphasic liquid dosage forms. Explain the formulation and evaluation of suspension. 11
5. (a) Explain the steps involved in sugar coating of tablets. 5
(b) Write a note on nasal absorption enhancers. 6
6. (a) Explain the limulus amoebocyte lysate (LAL) test for pyrogens. 5
(b) Write note on formulation of ophthalmic ointment. 6

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7. Define prolonged action dosage forms write their advantages and disadvantages. Explain the approaches to the development of implantable therapeutic system. 11
8. Define ointment and classify ointment bases with example. Explain about oleaginous bases. 11
9. (a) Write a note on ocuserts. 5
- (b) Write in detail about glass containers used in parenterals. 6

