

[KZ 818]

OCTOBER 2011

Sub. Code: 3818

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**THIRD YEAR****PAPER VI – PHARMACEUTICAL FORMULATIONS***Q.P. Code: 383818***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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|---|----|---------|----|
| 1. Explain the different granulation techniques. Discuss the official quality control studies of tablets. | 17 | 40 min. | 20 |
| 2. Write in detail about the production facilities for parenteral formulation. Explain the importance of sterilization. | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Classify pharmaceutical dosage forms. | 4 | 10 min. | 6 |
| 2. Discuss the various excipients used in tablet formulation. | 4 | 10 min. | 6 |
| 3. Explain the steps involved in sugar coating of tablets. | 4 | 10 min. | 6 |
| 4. Discuss the theory behind emulsifying agents. | 4 | 10 min. | 6 |
| 5. How will you evaluate the physical stability of suspensions? | 4 | 10 min. | 6 |
| 6. Explain the different types of ointment bases. | 4 | 10 min. | 6 |
| 7. Define pyrogens. Describe pyrogen test. | 4 | 10 min. | 6 |
| 8. Discuss the theory behind controlled drug delivery system? | 4 | 10 min. | 6 |
| 9. Explain the different evaluations involved in transdermal patches. | 4 | 10 min. | 6 |
| 10. What are ocuserts? Explain its formulation methodology. | 4 | 10 min. | 6 |
