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Roll No

PY-801 (GS)**B. Pharmacy VIII Semester**

Examination, May 2018

Grading System (GS)**Pharmaceutics - X****(Pharmaceutical Technology - II)***Time : Three Hours**Maximum Marks : 70**Note :* i) Solve any five questions.

ii) All questions carry equal marks.

1. What is Heckel plot? Describe various evaluation parameters of granules. 14

2. a) Discuss in detail different methods for microencapsulation. 7

b) Application of implants in drug delivery. 7

3. a) Discuss different evaluation and testing methods for sustained/controlled drug delivery system. 7

b) Describe the parameters which influence design of sustained release products. 7

4. What is Liposome? Discuss the advantages of liposome and their application in drug delivery. 14

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5. What is principle of Percutaneous absorption? Explain factors affecting design of transdermal drug delivery system. 14

6. Write a brief note on following:

a) Legal and official requirements for containers and closures. 7

b) Matrix and Reservoir based sustained release drug products. rgpvonline.com 7

7. a) Discuss in detail different type of glass and their testing as described in USP. 7

b) What is "Tamper proof" packaging? Discuss different methods of tamper proof packaging. 7

8. What is GMP? Discuss different considerations for pilot plant scale up techniques as per GMP. 14

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