

Uday Bera

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
T3 EXAMINATION –JUNE 2016
B. Pharm VI Semester

COURSE CODE: 10B11PY613

MAX. MARKS: 35

COURSE NAME: Industrial Pharmacy-II

COURSE CREDITS: 4

MAX. TIME: 2hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. What is the difference between extended release and sustained release dosage forms? Explain. [5 Marks]
2. Write a detailed note on nanoparticles and its application in formulations. [5 Marks]
3. Explain the process involved in the preparation of colon delivery drugs. [5 Marks]
4. What are ocular inserts? Explain the principle and protocol involved in it. [5 Marks]
5. Classify polymers. Which class of polymers are used in the preparation of extended release dosage forms. [5 Marks]
6. Mention the excipients used in the preparation of sublingual release formulations. Explain its principle and application. [5 Marks]
7. What are osmotic pumps? Explain its recent advancement in technology and applications. [5 Marks]