

M. PHARM. SEM-II (CHOICE BASED CREDIT & GRADE SYSTEM)

: SUMMER - 2018

SUBJECT : ADVANCED CORE SUBJECT II : ADVANCED PHARMACEUTICS – II

Day : Tuesday
Date : 03/07/2018

S-2018-3998

Time : 10.00 AM to 01.00 PM
Max. Marks : 60

N.B.

- 1) Attempt any **THREE** questions from Section – I and any **THREE** questions from Section - II
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION – I

- Q.1** Explain the mechanism and development of Ocular drug delivery system. (10)
- Q.2** Discuss the merits, demerits and types of Nasal drug delivery system. (10)
- Q.3** Discuss drug entrapment techniques and targeting for microspheres. (10)
- Q.4** Write note on (10)
- a) Hydro-dynamically balanced drug delivery system
 - b) Penetration enhancers

SECTION – II

- Q.5** Write an exhaustive note on liposomes. (10)
- Q.6** Explain different methods of preparation, characterization and evaluation of polymeric nanoparticles. (10)
- Q.7** Discuss the challenges in protein / peptide delivery and the formulation approaches to meet them. (10)
- Q.8** Write note on (10)
- a) Pressurized aerosols
 - b) Intrauterine devices

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