Printed Pages: 01 **Sub Code: RPH628**

Paper Id: **150289** **Roll No.** | | | | | | | | | | |

B.PHARM.

(SEM VI) THEORY EXAMINATION 2018-19

Pharmaceutics-VIII (Pharmaceutical Technology-II)

Time: 3 Hours ***Total Marks: 70***

Note: 1. Attempt all Sections. If you require any missing data, choose suitably.

SECTION A

1. Attempt *all* questions in brief. **2 x 7 = 14**

(a) What are poloxamers?
(b) Enumerate various types of tablets.
(c) How will you explain minim/gm?
(d) How will you determine the drug dissolution rate for controlled release?
(e) Why blooming is done with glass?
(f) What are solid lipid nanoparticles
(g) What is powdered glass test for glass?

SECTION B

2. Attempt any *three* of the following: **7 x 3 = 21**

(a) How you will evaluate conventional tablets as per IP/USP, explain?
(b) Write detailed note on wet granulation technology.
(c) How you will prepare soft gelatin capsules, explain?
(d) What are the advantages of SR. Explain in vitro drug release kinetics for microparticles.
(e) Write a detailed note on usage of glass and plastic as the container material.

SECTION C

3. Attempt any *one* part of the following: **7 x 1 = 7**

(a) How you will explain Rat holing and Bridging during tablet compression?
(b) Draw and explain tablet compaction profile.

4. Attempt any *one* part of the following: **7 x 1 = 7**

(a) Classify pharmaceutical polymers in brief.
(b) What are advantages of nano lipid carriers, write a detailed note on them.

5. Attempt any *one* part of the following: **7 x 1 = 7**

(a) Differentiate between quality control and IPQC testing?
(b) Explain two principles for capsules filling.

6. Attempt any *one* part of the following: **7 x 1 = 7**

(a) Define Resealed erythrocyte and liposome
(b) What are various drug plastic considerations, explain?

7. Attempt any *one* part of the following: **7 x 1 = 7**

(a) Explain preparation of nanoparticles using co-acervation phase separation.
(b) How you will prepare nanoparticles, explain any two method?

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