



JAF-014-003701 Seat No. _____

M. P. M. (Sem. VII) (CBCS) Examination

November – 2019

Pharmaceutical Technology - I

Faculty Code : 014

Subject Code : 003701

Time : 3 Hours]

[Total Marks : 80

Instructions :

- (1) Answer and tie both the sections **separately**.
- (2) Figure to the **right** indicates marks.
- (3) Answer any **three (3)** questions from each section.
- (4) Que. **one (1)** and Que. **five (5)** are **compulsory**.
- (5) Draw neat and clean diagrams as required.

SECTION - I

1 Answer any **seven** out of given **ten** questions : **7×2=14**

- (a) Define Glidants and lubricants.
- (b) Define super disintegrants and give example of it.
- (c) What do you mean by Hypodermic tablet ?
- (d) What do you mean by tamper-evident packaging ?
- (e) Enlist the factors affecting the property of pellets.
- (f) Enlists the evaluation parameters for microencapsulation.
- (g) Explain Spray Drying and Spray Congealing.
- (h) Differentiate Hard gelatin and Soft gelatin capsules.
- (i) Give the regulatory requirements in pharmaceutical packaging.
- (j) Disintegration Time for Effervescent Tablets is _____ as per IP.
Coated Tablet is _____ as per IP.

- 2 Answer the following :
- (a) Draw the compression cycle of a rotary tablet press with explanation. 7
 - (b) Enumerate the various techniques of pelletization process and explain in detail about powder layering. 6
- 3 Answer the following :
- (a) Explain in detail about equipments which are used for tablet coating process. 7
 - (b) Write note on in-process quality control test of tablet Mfg. 6
- 4 Answer the following :
- (a) Define Microencapsulation, enumerates the various microencapsulation techniques and explain air suspension technique in detail. 7
 - (b) Explain the classification of tablet tooling. 6

SECTION - II

- 5 Answer any **two** out of given **three** questions : 2×7=14
- (a) Write a brief note about on defects of tablets along with causes and remedies.
 - (b) Explain in detail about Wet Granulation method with process flow chart.
 - (c) Write a short note on various excipients used in tablet dosage form along with its examples.
- 6 Answer the following :
- (a) Enlist the various types of coating and explain in detail about Sugar coating. 7
 - (b) Explain the process for manufacturing of Gelatin capsules shell. 6

- 7** Answer the following :
- (a) Explain in detail about various packaging materials for pharmaceutical. **7**
 - (b) Discuss the parameters which are considered for formulation of liquid dosage form. **6**
- 8** Answer the following :
- (a) Explain about various excipients used for liquid dosage form. **7**
 - (b) Write a brief note on stability aspects of emulsion. **6**
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