



SLR-TA – 32

Seat No.	
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Set **P**

**B.Pharmacy (Semester – V) CGPA Pattern Examination, 2018  
PHARMACEUTICS – III**

Day and Date : Thursday, 3-5-2018  
Time : 10.30 a.m. to 1.30 p.m.

Total Marks : 70

1. Multiple choice question :

(15×1=15)

- 1) The capsule size 5 can fill the volume of \_\_\_\_\_ml.  
a) 1.36                      b) 0.13                      c) 0.27                      d) 0.67
- 2) \_\_\_\_\_ machine is used for dedusting and polishing of hard gelatin capsules.  
a) Rotosort                      b) Erweka KEA  
c) Elanco Rotoweigh                      d) Both a) and b)
- 3) \_\_\_\_\_ decreases bioavailability of tetracycline.  
a) Lactose                      b) DCP  
c) Starch                      d) None of the above
- 4) \_\_\_\_\_ is example of perforated coating pans.  
a) Accela Cota                      b) Glatt immersion tube  
c) Pellegrini pan                      d) Both b) and c)
- 5) What is Ac-di-sol ?  
a) Modified starch for disintegration  
b) Modified sodium CMC for disintegration  
c) Modified MCC for direct compression  
d) None of the above
- 6) The capsule filling machine like Lilly and Parke Davis work on \_\_\_\_\_ fill principle.  
a) Auger                      b) Vacuum  
c) Pistone tamp                      d) Vibratory

P.T.O.





2. Answer **any five** :

(5×5=25)

- 1) Write in short significance of film coating and enteric coating.
- 2) Explain different principles of filling of capsules.
- 3) Enlist all official and non official test for evaluation of tablet and explain Friability test.
- 4) Explain process to obtain gelatine from animal skin or bone.
- 5) Write in short steps involved in sugar coating process.
- 6) With a neat labeled diagram, explain working and construction of Rotary die process.

3. Answer **any three** :

(10×3=30)

- 1) Discuss in short various defects/problems occurs during manufacturing of tablets and its remedies.
  - 2) With a neat labeled diagram, explain working and construction of Rotary tablet press machine.
  - 3) Write applications of microencapsulation and add a note on evaluation of microcapsules.
  - 4) Write short note on:
    - 1) Bloom strength and its determination.
    - 2) Design of disintegration test apparatus.
    - 3) Draw layout of tablet section.
    - 4) Lubricants.
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