

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

[2]

Roll No .....

### BP-502 T (CBGS)

#### B.Pharmacy V Semester (PCI Scheme)

Examination, November 2018

#### Choice Based Grading System (CBGS)

#### Industrial Pharmacy-I

Time : Three Hours

Maximum Marks : 75

- Note: i) Attempt any five questions.  
 ii) All questions carry equal marks.

1. What are goals and objective of preformulation studies? Explain Physical and chemical properties in detail with special emphasis on pH-Partition Hypothesis. 15
2. What are different Granulation methods of tablet formulation? Explain in detail with steps and appropriate equipment and diagrams. 15
3. Write about production of hard gelatin capsule shell. What are different machines used for capsule filling and sealing of hard and soft gelatin capsule? 15
4. What are different excipients used in parental formulation? Write about production of parental with special emphasis on aseptic area. 15
5. Define Aerosols and its type. Write about formulation and components of aerosols and quality control tests. 15

BP-502 T (CBGS)

PTO

325

6. Enumerate the names of packaging material used in pharmaceuticals. Define in detail about glass and plastic with their official test of quality control as per I.P. 15
7. a) Quality Control test for Tablets and capsule as per I.P. 7.5  
 b) Pelletization process and its formulation requirements. 7.5
8. Write short note on (Any two) 7.5 each  
 a) Cold cream and Vanishing Cream  
 b) Evaluation of Ophthalmic preparation  
 c) Formulation consideration of liquid orals.

\*\*\*\*\*

BP-502 T (CBGS)

326