

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2124)

1683

B. Pharmacy 3rd Semester Examination
Pharmaceutics-II (Unit Operations) (OS)
HBP-201

Time : 3 Hours

Max. Marks : 80

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt one question from Section A, B, C and D. Section E is compulsory.

SECTION - A

1. Write notes on
 - (i) Bernoulli's theorem
 - (ii) Volute pumps (8+8=16)
2. Discuss the construction, working and applications of venturimeter. (16)

SECTION - B

3. Write notes on
 - (i) Filter aids
 - (ii) Disc centrifuges (8+8=16)
4. Write notes on
 - (i) Types of crystallizer tanks
 - (ii) Highlight the importance of characteristics of crystals. (8+8=16)

[P.T.O.]

SECTION - C

5. Discuss in detail the principle behind refrigeration. (16)
6. Write a note on the various equipments used for dehumidification. (16)

SECTION - D

7. Discuss the various factors affecting the choice of material for plant construction. (16)
8. Write a note on industrial hazards with special reference to fire hazard and their prevention. (16)

SECTION - E

9. Write brief notes on:
 - (i) Galvanic corrosion
 - (ii) Carnot cycle
 - (iii) Dew Point
 - (iv) Boundary layer
 - (v) Unit Process
 - (vi) Current meters
 - (vii) Centrifugation
 - (viii) Gas laws

(2×8=16)