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*Total No. of Questions : 8]* *[Total No. of Printed Pages : 1*

**Roll No** .....

# PY-301 (GS)

## B.Pharmacy III Semester Examination, June 2020

## Grading System (GS)

## Pharmaceutics - III

## (Pharmaceutical Engineering - I)

***Time : Three Hours***

***Maximum Marks : 70***

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

1. Discuss the role of copper and aluminium in Pharmaceutical plant.
2. Explain the term stoichiometry.

OR

a) Discuss the chemical properties and uses of glass.
b) What is the importance of Air-Conditioning and refrigeration in pharmacy?

3. Discuss Bernoulli's theorem and friction losses.
4. Explain the poiseulli's equation of fluid flow through pipe.
5. With the help of suitable neat diagrams show construction and working of pneumatic conveyer.
6. Define the following.(Any four)
   i) Wet bulb temperature
   ii) Absolute humidity
   iii) Relative humidity
   iv) Dew point
   v) Humid heat
7. What do you mean by heat exchangers? Discuss in detail.

OR

What is corrosion? Describe the theory of corrosion? Explain with example about intergranular corrosion.

8. Write short note on (any three):
   a) Dimensionless groups
   b) Corrosion resistant alloys
   c) Industrial dermatitis
   d) Reynold's number

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