

**V. P. & R. P. T. P Science College,
B.Sc. Industrial Chemistry (6th Semester) Internal Test
SELECTED TOPICS**

Date: 17/03/2018

Time: 11:00 a.m. to 12: 30 p.m.

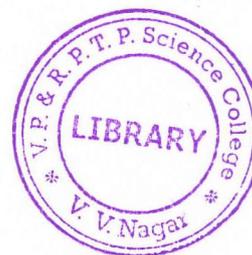
Subject code:US06CICV06

Total Marks: 25

Q.1 Select the correct option

03

- I. Which of the following is the basic step to establish a detailed commercial plant?
(a) Process design (b) Process evaluation (c) Process research (d) Process cost
- II. Convenient and useful method for characterizing the functional relationship among various component of control system is:
(a) Block diagram (c) Process flow diagram
(b) Layout diagram (d) None of these
- III. Inversion of cane sugar gives:
(a) Galactose (c) Sucrose
(b) Glucose (d) Lactose



Q.2 Answer the following in short (ANY TWO)

04

- I. Write a note on Continuous stirred tank reactor (CSTR)
- II. Explain the concept of feedback control.
- III. What is homogeneous catalysis? Give its two examples.

Q.3 Enlist with brief various factors affecting plant location (Localization).

06

OR

Q.3 Explain Pilot plant and give check list for investigating pilot plant.

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Q.4 Explain three types of variables associated with process.

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