

Day : Saturday
Date : 08/06/2019

Time: 11.00 AM TO 02.00 PM
Max. Marks: 60.

S-2019-3424

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Answer to both the sections should be written in **SAME** Answer book.
 - 3) Figures to the **RIGHT** indicate full marks.
 - 4) Assume suitable data, if necessary.
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SECTION-I

Q.1 Describe the significance of process yield. **[10]**
OR

Write a note on – Hierarchy of chemical process design.

Q.2 Describe the various considerations in the selection of the reactor. **[10]**
OR

Write note on- Continuous processing

Q.3 Explain reactor heat effects in detail. **[10]**
OR

With the help of example, discuss separation systems used in chemical process industries.

SECTION-II

Q.4 Give the significance of match matrix. **[10]**
OR

Draw heat content diagram considering suitable example and explain.

Q.5 Write note on- Industrial lighting and ventilation. **[10]**
OR

What is the importance of personal protective equipments ? Discuss different PPEs used in chemical plant.

Q.6 Justify the need of simulation in designing of chemical plant with a suitable example. **[10]**
OR

Justify the role of computer aided design application in CPI.

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