

Seat No. _____

Examination December – 2020
M.Sc. Semester – III
Industrial Chemistry: Paper – IC – 10, Code: 3567
Subject Title: Measurement, Process control & Energy sources

08 DEC 2020

Time: 1.30 hr]

[Total Marks: 42

- Que.1 (A) State and explain properties of transfer function with example. [14]
OR
Que.1 (A-I) Write a note on block diagram system. [07]
(A-II) Classify the process according to control system. [07]
- Que.2 (A) What is control valve? Discuss control elements. [14]
OR
Que.2 (A-I) Write a note on double seat globe valve with neat sketch. [07]
(A-II) Write a note on eccentric disc globe valve with neat sketch. [07]
- Que.3 (A) State and explain thermal application of solar energy. Explain construction, working system and application of solar cooker with neat sketch. [14]
OR
Que.3 (A-I) Write about KVIC. [07]
(A-II) Write a short note on open cycle OTEC system. [07]
- Que.4 (A) Discuss wind mill with its components. [14]
OR
Que.4 (A-I) Write a note on dolphin type wave power plant. [07]
(A-II) Write a note on HDR energy sources. [07]

નોંધ:

- પ્રશ્નપત્રનો સમય ૧.૩૦ કલાકનો રહેશે.
- પ્રશ્નપત્રમાં ૪ પ્રશ્નોમાંથી કોઈ પણ ત્રણ પ્રશ્નોના જવાબ આપવાનો રહેશે.
- દરેક પ્રશ્નના ગુણ એકસરખા (૧૪ માર્ક્સ) રહેશે. પ્રશ્નપત્ર કુલ ૪૨ માર્ક્સ નું રહેશે.