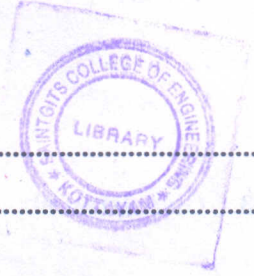


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Reg. No.....

Name.....



B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Applied Electronics and Instrumentation Engineering/Electronics and Instrumentation Engineering

EI 010 802/AI 010 802—INSTRUMENTATION IN PROCESS INDUSTRIES (EI, AI)

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. Write short note on dryers used in process industries.
2. Explain description of the process in food industries.
3. Write about analyzers in the iron and steel industry.
4. Explain typical control systems in the paper industry.
5. Give short note on measurement hardware in the pharmaceutical industry.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain about heat exchangers with neat diagram.
7. What are the typical control systems in the food industries ?
8. Discuss about measurement hardware in steel industry.
9. Describe about valves and feeders in the paper industry.
10. Write about analyzers in the pharmaceutical industry.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Briefly explain about steam boilers used in process industries.

Or

12. Explain how compressors function in process industries.

Turn over

13. Give detail about controllers and displays in the food industry.

Or

14. Explain valves and feeders in the food industries.

15. Write about computer applications in the iron and steel industry.

Or

16. Describe typical control systems in the iron and steel industry.

17. Give detail about measurement hardware in the paper industry.

Or

18. Compare and contrast between controllers and displays in paper industry and nuclear industry.

19. Give detail of typical control systems in the pharmaceutical industry.

Or

20. Briefly explain about valves and feeders in the pharmaceutical industry.

(5 × 12 = 60 marks)

