



C14-AEI-604

4708

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
DAEIE—SIXTH SEMESTER EXAMINATION
INSTRUMENTATION IN PROCESS INDUSTRIES

Time : 3 hours]

[*Total Marks* : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write any three power generation methods.
2. List the safety measures in boiler control.
3. Define isomerization.
4. Define polymerization.
5. Write any three physical parameters measured in petrochemical plant.
6. List any three units in iron and steel plant.
7. State the measurement of weight of steel.

- * 8. List the various grades of paper.
- 9. State three physical properties of paper.
- 10. List any three steps in pulp production.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11. Explain the working of condenser with diagram.
- 12. Explain the measurement of level, pressure and temperature of the boiler.
- 13. Explain the working of turbine unit.
- 14. Explain the working of distillation column with diagram.
- 15. Explain the working of oxygen furnace with diagram.
- 16. Explain the working of blast furnace with diagram.
- * 17. Explain the basic process of making the paper based on the layout.
- 18. Explain wet end and dry end operations in making paper.
