



C09-AEI-606 B

3720

BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2013
DAEI—SIXTH SEMESTER EXAMINATION

POWER PLANT INSTRUMENTATION

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

1. Classify the power generation methods.
2. List the types of dryers.
3. Write a short note on leaching process.
4. Draw the block diagram of boiler process.
5. Write about speed monitoring in turbines.
6. Write about shell temperature monitoring.
7. List the types of pumps.
8. Draw the diagram of condenser.

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9. Write a short note on forced draft fan.

10. Write about conveyor belt.

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 importance of instrumentation in power plant.

12. List different types of crusher and explain any one of them.

13. Explain the working principle of flash distillation process.

14. Explain about combustion control of main header pressure.

15. Explain about feedback regulation drum level control.

16. List and explain mechanical parameters to monitoring turbine-supervisory system.

17. Explain hydrogen charging and discharging system, and generator cooling system.

18. Explain electrostatic precipitator operation.
