

G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY
II B.Tech (EEE) II- Sem- Mid-I Examinations March, 2018

1

Sub: EPGS
Time: 20min

Objective type
Roll No:

Date:05/03/18
Max Marks: 10M

ANSWER ALL THE QUESTIONS

1. Steam power plants work closely on []
a. Binary vapour cycle b. Brayton cycle c. Rankine cycle d. none
2. A condenser in a steam power plant condenses steam coming out of []
a. Turbine b. Boiler c. Economizer d. Super heater
3. India's first Nuclear plant was built at []
a. Tarapur b. Ranapratap sagar c. Kalpakkam d. none
4. In Boilers, water flows through the tubes and hot gases flow over these tubes.
5. A Surge tank absorbs the swings developed in the penstock.
6. Economizer is used to heat
7. The major heat loss in a steam power station occurs in
8. The reproduction factor, $K < 1$ indicates Condition.
9. Write the Water power equation:
10. For high head hydro-electric power plants, the turbine used is
11. What is meant by Convection process?
12. 1KWh = joules
13. Reaction turbine has asymmetrical blades. [True/False]
14. The waste produced by fission in a nuclear power station is generally radioactive in nature. [True/False]
15. is protected from the bursting case by the surge tank.

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|---------|----------------------|--------|--------------|
| [16-20] | (a) Cladding | [] | 1. Concrete |
| | (b) Control rods | [] | 2. Th-232 |
| | (c) Fertile material | [] | 3. Cadmium |
| | (d) Shielding | [] | 4. U-233 |
| | (e) Fissile material | [] | 5. Zirconium |

Signature of faculty

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- [6-10]
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