

- a) Boiler mountings
c) none of the option
- (x) Select the category of blow of cock .
a) Boiler mountings
c) none of the option
- (xi) Select the discharge at critical pressure
a) 0
c) maximum
- (xii) Blading efficiency is also identified as
a) diagram efficiency
c) stage efficiency
- (xiii) The ratio of the cumulative heat drop to the isentropic heat drop is defined as
a) reheat factor
c) rankine efficiency
- (xiv) The ratio of the isentropic heat drop to the heat supplied is defined as
a) reheat factor
c) rankine efficiency
- (xv) Choose the reheat factor
a) 1.02-1.06
c) 1.6-2
- b) Boiler accessories
d) All of the option
- b) Boiler accessories
d) All of the option
- b) minimum
d) none of the option
- b) nozzle efficiency
d) All of the option
- b) stage efficiency
d) internal efficiency
- b) stage efficiency
d) internal efficiency
- b) 1.2-1.5
d) none of the option

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Define Propulsive efficiency. (3)
3. write the names of Boiler Accessories. (3)
4. Discuss the various losses occurring in a steam turbine (3)
5. Explain the term Reheat factor (3)
6. Explain why mountings are essential in a boiler. (3)

OR

Explain the function of Fusible plug (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the term Boiler efficiency and Evaporation Ratio. (5)
8. Explain the advantages of gas turbine over IC Engine. (5)
9. Explain the important features of reaction turbine. (5)
10. Explain the working procedure of a closed cycle gas turbine with a sketch. (5)
11. State the advantages of closed cycle over open cycle. (5)
12. Explain the important features of water tube boiler. (5)

OR

Explain the important features of fire tube boiler. (5)
