

Total No. of Questions : 4]

SEAT No. :

P-5380

[Total No. of Pages : 1

[6186]-506

S.E. (Electrical Engineering) (Insem.)
POWER GENERATION TECHNOLOGIES
(2019 Pattern) (Semester - III) (203141)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Solve Q1 or Q2, Q3 or Q4.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume suitable additional data, if necessary.*
- 5) *Use of non-programmable calculator is allowed.*

- Q1) a)** Compare Rankine cycle & Carnot cycle. Also, draw P-V diagram. [7]
- b) Explain the operation of steam power plant with the help of schematic diagram. [8]

OR

- Q2) a)** Explain working of electrostatic precipitator with neat sketch. [7]
- b) Short note on : [8]
- i) Coal Handling System
 - ii) Ash handling system

- Q3) a)** With the help of neat diagram, Explain nuclear power plant. [7]
- b) What factors should be consider while selecting site for diesel power plant also, state the application of diesel power plant. [8]

OR

- Q4) a)** Discuss the merits & demerits of nuclear power plant as compared to steam power plant. [7]
- b) Explain open loop & close loop cycle gas power plant. [8]

□□□