

USHA RAMA COLLEGE OF ENGINEERING & TECHNOLOGY
ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT
Utilization of Electrical Energy

1. (A). Explain the characteristics of DC compound motors and explain its advantage over the series motor.
(B). Write about various types of industrial loads with their examples and load characteristics.

2. (A). Explain the principle of induction heating, what are the application of induction heating?
(B). With neat sketch explain the working principle of coreless type induction furnace.

3. (A). Explain seam welding and projection welding in details?
(B). What is electric welding and classify different types of electric welding?

4. (A). Compare the characteristics of DC series motor and 3-phase induction motor?
(B). Define the welding