

III B.Tech II Semester Supplementary Examinations, April/May 2005
POWER & INDUSTRIAL ELECTRONICS
(Electronics & Control Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. With a neat circuit diagram explain the operation of class B push pull amplifier using two Complimentary Transistors.
2. Explain the operation of single tuned Inductively coupled amplifier and draw its equivalent circuit.
3. Draw the diagram showing basic structure of a triac. Draw and discuss its voltam-pere characteristics.
4. Explain with the help of a circuit diagram the working of Morgan chopper.
5. Explain the operation of a SSS timer as a monostable multi vibrator.
6. Draw the circuit diagram of a DC chopper scheme for speed control of DC shunt motor and explain its working.
7. State the merits and demerits of high frequency Induction heating and mention its applications.
8. Explain how ultrasonic vibrations are generated and how objects are cleaned with these vibrations.
