

GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI
(An autonomous institute Govt. of Maharashtra)
DEPARTMENT OF ELECTRICAL ENGINEERING

Class Test-I
Max. Marks-15

B.Tech - 3rd semester
Subject-EDC (EEU 311)

Time- 1Hr
Term: 17-18

- ie- 1. All Questions carry equal marks.
2. All questions is compulsory.

- Q.1 Discuss the principle of operation of SCR.
Q.2 Differentiate between group drive and single drive.
Q.3 A motor operates on a periodic duty cycle in which it is clutched to its load for 15 min and declutched to run on no load for 25 min. Minimum temp. rise is 45°C . Heating and cooling time constants are equal and have a value of 70 min. When load is declutched continuously, the temp.rise is 20°C . Find:- (1) Maximum temp.during duty cycle and (2) Temp. when the load is clutched continuously.

*****Best Luck*****



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SEM: 3rd
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CLASS TEST 1

SUB:Electrical Drives and Control(EEU311)
Date:05/08/2013
Time:1Hr

Attempt any THREE questions.

1. Give classification & advantages of Electric drives.(5M)
2. Give types of power MOSFET and explain any one type.(5M)
3. Derive torque equation for a dc motor (5M)
4. Explain the torque speed characteristics of dc motors(5M)