EEL747: DEPT OF ELECT ENGG MAJOR EXAM: Tome 120 mts, Max Marks: 70

04 16

Answer all Questions

Q1 (9) Identify five different electrical devices from the point of generation to the point of utilization and briefly explain Their WOOK.

(b) Briefly explain the working of an electrical device (other that what you include in part a above) used in Construction/Railway system.

(2) Explain the name plate details of a transformer (5)

(b) Discuss the vole of Interpoles and compensating winding in de machines

(C) Why 3-Phase power system is used so widely ? (5)

(43 (a) Why 3-Phase squirrel Cage Induction motor is Called the Work Horse of Industry ?

(b) why the name synchronous machine? Give applications of syn. Machine in motor as well as generator mock.

(200 405) (200) (2) (C) why 1- Phase induction motors are not self starting? Give 2- application of the motor (4)

(d) Bring out the difference between feeder and distributor design

1) Highlight the significance of any two of the following:

(b) why circuit Breakers are needed? Name two (\$x2) type's of circuit Breakers being wed

(a) Give a brief summary of your own Seminar presentation

(b) Critically examine son seminar presentation, other

than your own. what made you select this topic?

(c) Briefly describe a Construction/Railway system and identify the role of electrical device in it.