EEL769, MAJOR EXAM, Time 120 mts, Max. Marks\_80 Q1 (a) Briefly explain the working of following devices: -(i) any two out of Transformer, Generator and Motor. (11) any two devices used in the Construction Industry [2x4=8]
(b) Make a list of 4 main devices located at the substation and identify their work.

[4x2=8] [4×2=8] (i) distributor wound feeder (U) 1-Ph induction motor and 3-ph induction motor and 3-ph induction motor Ltt.) Underground Cable and Overhead lines. (10) Alyoninum and Copper Conductors It electric shock caused by ac and de. [3×4=12] (b) How following motors are started [Give One Methodosly]:-U) de motor (11) Synchronous Motor (11) 1-Ph induction Motor Explain the reason behind any 3 of the following: the why higher voltage of transmission are chosen?

the why series motors are not started without any load?

(III) why power-factor should be improved? (It) why electric system is grounded? (v) why Energy Audit is recommended? [3×4=12] (i) GFCI (M) Commutator (M) armature reaction (W) SF6 circuit Breaker (V) Pump Storage Plant, [3x4=12] 65 Consider the main Building of 11T-Delhi and answer the following: and explain the working of one of them. [2+3=5] (b) Suggest three steps that you may like to take to reduce the energy will of this building. [3x3=9] Give your comment on Green Building - [02] Extra