

Samanta Chandrasekhar Institute of Technology and Mangement

INTERNAL EXAM : 2

SEM: 6TH

SUB: EM&E

FULL MARK: 10

Q1: Answer all questions.

(i): One angstrom is how much meter ?

(II): Why tungsten is used as filament in incandescent lamp?

(III): Give notes on gas discharge lamps ?

(IV): What is the colour of light given by mercury vapour lamp ?

(V): Why inside of incandescent lamp is evacuated ?

Q2: Estimate the material required for a 3 phase , 6 wire .system having 2KM length , load on line is 100KVA at 0.8 P. F . use ACSR conductors .