

SAMANTA CHANDRASEKHAR INSTITUTE OF TECHNOLOGY AND
MANGEMENT

INTERNAL EXAM : 1

SEM: 6TH

SUB: RES

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. Gives notes on gas discharge lamp?
- IV. What is the colour of light given by mercury vapour lamp?
- V. Why inside of a incandescent lamp is evacuated?

Q2 : estimate the material required for a 3 phase , 6 wire system having 2 km length. Load on the line is 100 KVA and 0.8 PF. Use ACSR conductors?