

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester Supplementary Examinations November-2020
ELECTRICAL & MECHANICAL TECHNOLOGY
(CIVIL ENGINEERING)

Time: **3 hours**Max. Marks: **60**(Answer all Six Units **6 X 10 = 60** Marks)

PART-A
(ELECTRICAL TECHNOLOGY)

UNIT-I

1 State and Explain with example (i) Kirchoffs current law (ii) Kirchoffs voltage law **12M**

OR

2 Explain the construction and working principle of attraction type Moving iron Instruments. **12M**

UNIT-II

3 Discuss the various types of wiring accessories used in electrical wiring system. **12M**

OR

4 State and explain the Laws of Illumination. **12M**

UNIT-III

5 Explain how you can estimate the installation cost of electrical wiring system. **12M**

OR

6 Discuss the important general points to be considered for power load wiring installations. **12M**

PART-B
(MECHANICAL TECHNOLOGY)

UNIT-IV

7 Differentiate 2 stroke and 4 stroke engine. **12M**

OR

8 Explain Central Packaged Air Conditioner with neat sketch. **12M**

UNIT-V

9 What are the various methods of transmitting mechanical power. **12M**

OR

10 Explain Fast and loose pulley drive with neat sketch. **12M**

UNIT-VI

11 Explain working of Oxy- Acetylene Welding process with neat sketch. **12M**

OR

12 Explain working of Manual arc Welding process with neat sketch. **12M**

*** END ***