

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIRST SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2019

Course Code: EST 130

Course Name: BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING

PART I: BASIC ELECTRICAL ENGINEERING

(2019-Scheme)

Max. Marks: 50

Duration: 90 m

Solved

PART A

1. State and explain i) magnetic field strength, ii) magnetic flux and iii) magnetic flux density.
2. State and explain i) Faraday's laws and ii) Lenz's law.
3. State and explain Kirchhoff's laws with examples
4. Explain the advantage of three phase system of power supply compared