KERALA AGRICULTURAL UNIVERSITY

B. Tech (Food . Engg) Degree Programme 2015 Admission

	Π^{aa}	Semester Final	Examination-	June	– July 2016	
1001					2	

	Cat. No: Elen. 1201 Title: Basic Electrical Engineering (2+1)	Marks: 50.00 Time: 2 hours
I	 Answer all questions Collector base junction in PN junction is formed by Current is measured by the unit	
I	 Answer any five questions only Define the passive components of a circuit What is a PN junction diode and its practical usage Explain the energy band diagram of materials. Explain the mutual law of electro magnetic induction. What is LED and where it is used. Define DeMorgan s theorem Write short notes on wiring plan. 	(5 x 2.0 =10)
11	 Answer any five questions only Explain the input and output characteristics of NPN transister Explain about load estimation in a processing industry. Explain the Net work theorems. Differentiate between Single phase and three phase AC circuits. Explain about various types of Logic gates What is a Zener diode and explain it briefly. Explain about the electrical tariff and safety 	(5 x 4.0 =20)
īv	 Answer any one question only a.Explain about the various special semi conducter devices b.Explain in detail about the star delta circuits. a.Explain the power and energy measurement and load estimation industry. b.Explain the working principle of SCR and its applications. 	(1 x 10.0 =10) in the processing