



RAVINDRA COLLEGE OF ENGINEERING FOR WOMEN

II B tech -I Semester (R19)

Branch: ECE

Academic year 2020-21

Subject : Electronic Devices and Circuits(19A04302T)

UNIT: 2

S No	Questions (Short)	CO	Cognitive Level
1	Define Tunneling.	C202.2	Remember
2	Define Electroluminescence.	C202.2	Remember
3	Define Radiant intensity of LED.	C202.2	Remember
4	State the disadvantages of LED.	C202.2	Remember
5	State any two applications of LCD's.	C202.2	Remember
6	Expand DIAC and TRIAC.	C202.2	Remember
7	What is working principle of photo diode?	C202.2	Remember
8	Write major differences between zener breakdown and avalanche breakdown.	C202.2	Remember
9	Give the expression of intrinsic stand-off ratio of UJT? Specify typical range of it.	C202.2	Remember
10	List various applications of an SCR.	C202.2	Remember
11	Why Schottky diode is also called as hot carrier diodes?	C202.2	Remember

S No	Questions (Essay)	CO	Cognitive Level
1	Sketch and explain the volt-ampere characteristics of a Tunnel diode. Indicate the negative resistance portion.	C202.2	Analyse
2	Explain the construction and working of a Light Emitting Diode (LED).	C202.2	Understand
3	Explain the construction and working of a Photo Diode.	C202.2	Understand
4	Explain the construction and working of a Silicon Controlled Rectifier.	C202.2	Understand
5	Explain the construction and working of a Uni Junction Transistor.	C202.2	Understand