

20008

2008 ANNA UNIVERSITY
B.E ELECTRICAL AND ELECTRONICS ENGINEERING
ELECTRONICS DEVICE

TIME: 3 HOUR
MARK: 100

Answer ALL questions.

PAR T A - (5×4=20 marks)

- 1.What is diffusion current?
- 2.State early effect.
- 3.Why FET called unipolar device?
- 4.What is photodiode?
- 5.What is charge couple device?

Part B - (5*16=80 marks)

- 1.Define and explain zener diode briefly.
- 2.Write detail note on
LED and phototransistor.
- 3.Explain construction and characteristics of JFET.
- 4.Write a detail note on transistor characteristics.
- 5.Briefly explain diffusion capacitance.

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