

6241

BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

ELECTRONICS ENGINEERING

PART—A

Answer all less three marks.

Instructions:

- sh between P type and N type Semiconductors.

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 - 7.

PART—B

iisti uc	(1) This wer any tive questions.	
	(2) Each question carries ten marks.	
	(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.	
11.	Draw the input and output characteristics of transistor in CE configuration and explain.	10
12.	Draw the input and output characteristics of transistor in CE configuration and explain. Draw and explain the working of partie tapped full-wave rectifier with waveforms. Explain the construction and working of LED with neat diagram. Describe the construction and working of UJT with neat diagram.	10
13.	Explain the construction and working of LED with neat diagram.	10
14.	Describe the construction and working of UJT with neat diagram.	10
15.	Explain the positial divider biasing method with diagram. (a) Explain the operation of transistor as an amplifier.	10
16.	(a) Explain the operation of transistor as an amplifier.	5
	(a) Explain the operation of transistor as an amplifier. (b) Classify amplifiers on the basis of period of conduction and humber of stages. Draw and explain the working of two-stage transformer coupled amplifier.	5
17.J &	Draw and explain the working of two-stage transformer coupled amplifier.	10
18.	Draw the block diagrams of voltage series, voltage shunt, current series and current shunt feedback amplifiers.	10
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