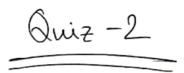
Name: Md. Ribat Ahmed

10:1931725042

Course: EEE111L

Section! 7



Aumer to the Question No-1

- i) The left curve is the Input Characteristics Graph of a BJT and the right curve is the Output Characteristics Graph of a BJT.
- ii) The name of the variables one:

a -> 10

L -> Vee

n -> Active region

y -> Saturation region

Z → Cutall region

iii) The tructions of a BJT are it can be used as an amplifier in the active region.

And it can be used used as a switch using the saturation and cutoff region.

Answer to the Question No-2

- 3) Blasing a BJT circuit means, applying DC voltage in a transistor so that it starts operating.
- 4) The names of the circuits are:

 The left one is Vollage Divider Circuit and the right one is Fined-Bias Circuit.
- e) Symbol of a Collector

 Transistor: Base Collector
- d) During the Lab experiment the Voltage Divider circuit showed better stability.
- e) Two differences between BJT and MOSFET are!

 i) BJT is a current controlled device on the
 other hand a MOSFET is a voltage controlled
 device.
 - ii) Current gain, B has elhect on BJT but it doesn't abbeet MOSFET.

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Answer to the Question No-3

The name of the given equipment is

Oscilloscope.

The function of A, D, E are:

A is Curson

Di Volt/Dir, it's used to stretch the curve vertically.

E is Sec/Dir, it's used to streetch the curve horizontally.

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Answer to the Question No-4

The name of the graph is Output Characteristics
Curve of MOSFET.

In the saturation region the MOSFET gives contant current output.

In the Ohmic region the current Iss increases with

Vas:
In the cut-off region the MOSFET is all and
so it doesn't operate so those's no current blow

Answer to the Question No-5

a) True

1) True

c) i) forward

ij) Zener