

CIT236

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1. When a 60hz sinusoidal voltage is applied to the input of a full- wave rectifier, the output frequency is

--->> 120hz

60hz

0hz

90Hz

2. The silicon pn junction device is known as

--->> Zener diode

Optical diode

varactor diode

Simple diode

3. What is the value when the gate to source to voltage is less than the pinch off voltage

1A

2A

6A

--->>

4. The minority carriers in the n-type material are the

--->> holes

protons

electrons

neutrons

5. The rms value of the V_c (max) is

0.1

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0.4

--->> 0.7

6. A very simple bias to a D-MOSFET is called

self biasing

--->> Zero biasing

gate biasing

voltage divider biasing

7. Dc and AC load line intersect at the point called

T-point

K-point

--->> Q-point

E-point

8. Best description of a diode is

Silicon switch

Ideal Switch

Bidirectional switch

--->> Unidirectional switch

9. A transistor between the base voltage and a collector voltage produces

Phase inversion

angle inversion

voltage inversion

--->> Both A and B

10. For the silicon atom the barrier potential is

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--->> 0.7v

0.4v

0.5v

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