

Duration: 30 Mins

Total Marks: 15

Q.ID: ITISKILL7489Q2

1. What is the maximum specified voltage for the TRIAC TIC 201D?

- A) 2.1 V
- B) 2.5 V
- C) 1.5 V
- D) 1.7 V

Answer: B) 2.5 V

2. Which is the package type for the JFET BFW10?

- A) TO-92
- B) TO-72
- C) TO-82
- D) TO-62

Answer: B) TO-72

3. Which current flows in TRIAC between MT1 and MT2?

- A) Principal current
- B) Conventional current
- C) Leakage current
- D) Reverse current

Answer: A) Principal current

4. What is the code number of TRIAC?

- A) BFW10
- B) 2N1597
- C) BT136
- D) 2N2646

Answer: C) BT136

5. Which is the N - channel FET?

- A) Main current flows through P-doped material
- B) S-terminal connected to positive
- C) AC supply connected to drain termin
- D) Main current flows through N-doped material

Answer: D) Main current flows through N-doped material

6. What is the switching speed of solid state relays?

- A) 1 to 100 nano seconds
- B) 10 to 60 nano seconds
- C) 1 to 25 nano seconds
- D) 1 to 100 milli seconds

Answer: A) 1 to 100 nano seconds

7. What is the package type for BF 245B?

- A) TO-82
- B) TO-92
- C) TO-102
- D) TO-72

Answer: B) TO-92

8. What is the common and popular application of U.J.T?

- A) Motor speed controller
- B) Relaxation oscillator

- C) Voltage regulator
- D) Multivibrator

Answer: B) Relaxation oscillator

9. What is the maximum drain- source voltage, VDS for the JFET BF 245B?

- A) 10 V
- B) 40 V
- C) 30 V
- D) 20 V

Answer: C) 30 V

10. What is the minimum current ratings of solid state relays available in low power packages?

- A) 100 milli Ampere
- B) Few micro Amperes
- C) 10 milli Ampere
- D) 50 milli Ampere

Answer: B) Few micro Amperes

11. How gate is biased in JFET?

- A) Reverse biased
- B) AC supply function
- C) Dual supply function
- D) Forward biased

Answer: A) Reverse biased

12. What is the maximum forward gate current (I_g) for BFW10 JFET?

- A) 20 mA
- B) 10 mA
- C) 5 mA
- D) 8 mA

Answer: B) 10 mA

13. What is the term stands for TRIAC?

- A) Triode DC semiconductor
- B) Triode Alternate control
- C) Triode Access console
- D) Triode AC semiconductor

Answer: D) Triode AC semiconductor

14. What is the gate current (I_g) of the JFET, when reverse biased?

- A) Practically infinity
- B) Practically very low
- C) Practically unity
- D) Practically zero

Answer: D) Practically zero

15. Which device is a unipolar transistor?

- A) IGBT
- B) FET
- C) BJT
- D) UJT

Answer: B) FET