

Duration: 30 Mins

Total Marks: 15

Q.ID: ITISKILL2523QO

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

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

Answer: D) Few micro Amperes

2. How gate is biased in JFET?

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

Answer: D) Reverse biased

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

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

Answer: B) Practically zero

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

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

Answer: B) 1 to 100 nano seconds

5. Which device is a unipolar transistor?

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

Answer: D) FET

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

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

Answer: A) 10 mA

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

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

Answer: A) TO-92

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

- A) Multivibrator B) Motor speed controller

- C) Relaxation oscillator D) Voltage regulator

Answer: C) Relaxation oscillator

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

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

Answer: B) TO-72

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

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

Answer: B) Principal current

11. What is the term stands for TRIAC?

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

Answer: A) Triode AC semiconductor

12. What is the maximum drain- source voltage, V_{DS} for the JFET BF 245B?

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

Answer: D) 30 V

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

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

Answer: D) 2.5 V

14. Which is the N - channel FET?

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

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

15. What is the code number of TRIAC?

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

Answer: B) BT136