**SREE KAVITHA ENGINEERING COLLEGE**

**BRANCH:EEE (III-II) MAX MARKS :10**

**SUBJECT:POWER ELECTRONICS**

**ALL THE QUESTIONS CARRY EQUAL MARKS**

1. Chopper converts [ ]
2. AC TO DC b.DC to AC c. DC to DC d.AC to AC

2.IGBT is a [ ]

a. Voltage controlled switch b.Current controlled c.Both d.None

3. Chopper uses [ ]

a.Forced commutation b.Line commutation c.Both d.None

4. For high frequency applications which switch is used ? [ ]

a.MOSFET b.IGBT c.BJT d.SCR

5.Which of the switch has high input impedance ? [ ]

a.IGBT b.BJT c.MOSFET d.a&b

6. Which of the PWM is used in inverters? [ ]

a.SPWM b.Triangular PWM c.Both a&b d.None

7. Duty ratio lies in between [ ]

a.0 and 1 b.1 to 2 c.0 to 50 d.0 to 100

8.Current gain is more in [ ]

a.SCR b.GTO c.Both a &b d.IGBT

9.Snubber circuit consists of [ ]

a.R & C b.Diode only c.R & Diode only d.R only

10.Protection of SCR against high temperature is done by using [ ]

a.Heat sink b.Case c.Mid reactor d.Al plates

**FILL IN THE BLANKS**

11. Inverter converts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.AC voltage controller converts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13.Harmonic distortion is given as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14.In 180 degrees mode of inverter the line voltage is given as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15.IGBT has an upper frequency limit of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16.Cyclo converter converts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17.SCR is a voltage controlled / current controlled

18.IGBT means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19 In 120 degree mode of inverter the phase voltage is given as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. MOSFET means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_