

V.P. & R.P.T.P SCIENCE COLLEGE  
INTERANAL EXAM-2018  
T.Y.B.Sc (SEM-VI<sup>th</sup>) ELECTRONICS  
SUB. CODE:-US06CELE05



DATE:-16/03/2018

Time:- 11:00 am to 12:30 pm

MARKS-25

**Q-1 Choose correct answer**

**[3]**

1. Power controlled done by \_\_\_\_\_  
(A) amplification (C) Phase control  
(B) rectification (D) none of above
2. B2 and B6 is \_\_\_\_\_ type of configuration.  
(A) Full-wave (C) Bridge  
(B) Half-wave (D) none of above
3. Dual converter consists of \_\_\_\_\_.  
(A) amplifier & rectifier (C) inverter & rectifier  
(B) thermistor & varactor (D) none of above

**Q-2 Short answer type question.(attempt any two)**

**[4]**

1. Briefly explain phase control.
2. State function of dual converter.
3. What is chopper?

**Q-3 Explain different version of full wave phase control circuit.**

**[6]**

**OR**

**Q-3 Explain principle of operation of dual converter and functional mechanism with necessary figure.**

**[6]**

**Q-4 Discuss step up chopper working with necessary circuit diagram.**

**[6]**

**OR**

**Q-4 Explain principle of chopper operation with necessary circuit diagram and wave forms.**

**[6]**

**Q-5 Explain second quadrant Type B chopper with necessary circuit diagram.**

**[6]**

**OR**

**Q-5 Explain first quadrant Type A chopper with necessary circuit diagram.**

**[6]**