

VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE
VALLABH VIDHYA NAGAR

T.Y. B.Sc. SEM: VI
SUB: ELECTRONICS
SUB CODE: US06ELE05

INTERNAL TEST

DATE: 14th march 2014
TIME: 3:30 pm to 5:00 pm
TOTAL MARKS: 30

Q.1 Answer the following in short.(Attempt any Three, each two marks) [06]

- (1) What is phase control?
- (2) Give a principle of step up chopper.
- (3) Define chopper.
- (4) Why power controlling is needed?
- (5) State function of dual converters.
- (6) State the application of chopper.



Q.2 Explain different version of full wave phase control circuit [08]

OR

Q.2 Draw the necessary diagram of dual converter; explain functional mechanism and principle of it. [08]

Q.3 Draw the circuit diagram of step up chopper and discuss its working. [08]

OR

Q.3 Explain principle of chopper operation with necessary circuit diagram and wave forms in detail. [08]

Q.4 Discuss type B chopper with necessary diagram. [08]

OR

Q. 4 Discuss type A chopper with necessary diagram. [08]

- : All the best: -