

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

F.Y. B.Sc. SEM: II

INTERNAL TEST

DATE: 14th March 2015

SUB: INSTRUMENTATION (VOC.)

TIME: 12:30 pm to 1:30 pm

SUB CODE: US02CINV02

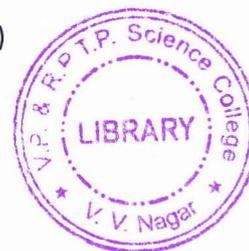
TOTAL MARKS: 25

Q. 1 Choose the correct answer. [03]

- (1) Bridge rectifier consist of _____ diode.
(A) 1 (C) 2
(B) 3 (D) 4
- (2) The non electrical quantity is converted into an electrical signal by a device called _____
(A) Transducer (C) Rectifier
(B) Filter (D) None of above
- (3) "L" filter normally connect in _____ for filtering A.C. pulses in power supply.
(A) Parallel (C) Series
(B) Can not use (D) None of above

Q.2 Answer the following in short.(Attempt any two, each two marks)

- (1) What is regulator in power supply?
(2) Discuss function of regulator in power supply
(3) Define transducer
(4) State selection of transducer.



[04]

Q.3 How half wave rectifier differ from full wave rectifier? Explain full wave bridge rectifier in detail. [09]

OR

Q.3 What is filter? List and explain all filters in detail. [09]

Q.4 Write a note on strain gauge. [09]

OR

Q.4 Discuss classification of transducer with necessary parameter. [09]

-: All the best :-