

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 transformer in power supply?
(2) Discuss function of filter in power supply
(3) Define stress in strain gauge.
(4) State selection of transducer.



[04]

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

OR

Q.3 Explain power supply block diagram in detail. [09]

Q.4 Derive an equation for strain gauge with diagram [09]

OR

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

-: All the best:-