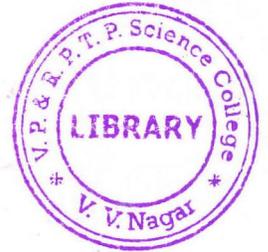


Ex 20



V.P. & R.P.T.P SCIENCE COLLEGE  
INTERANAL EXAM  
T.Y.B.Sc.(V<sup>th</sup> Sem.) INSTRUMENTATION (VOC.)

SUB: - US05CINV03

DATE:-03/10/2016

TIME:-1.5 hour

MARKS:-25

- Q-1 Choose correct answer [3]**
- Which of the following is not a type of timing relay?  
(A) Latching relay (C) OFF- delay relay  
(B) On delay relay (D) Period ON-OFF
  - Accelerometer is used for measurement of \_\_\_\_\_.  
(A) Torque (C) Position  
(B) Velocity (D) Acceleration
  - Which is not advantage of stepper motor?  
(A) precise monitoring (C) no contact brushes  
(B) high speed limit (D) none of above
- Q-2 Short answer type question.(attempt any two) [4]**
- Write a brief not on latching relay.
  - Enlist advantage and disadvantage of stepper motor.
  - Write a brief note on linear output actuator.
- Q-3 With the help of necessary diagrams explain working of magnetic motor starter. [6]**
- OR**
- Q-3 Write a note on electromechanical relay. [6]**
- Q-4 Explain the operation of basic servo system. [6]**
- OR**
- Q-4 Explain the working of synchro torque transmitter. [6]**
- Q-5 Give an account on electrical motor actuators. [6]**
- OR**
- Q-5 Give an account on solenoid actuators. [6]**

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