

Q.4 Which following is a programming language in Robotics (CO5)

- a) COBOL b) EORTAN
- c) RAIL d) None

Q.5 Robot word is derived from word (CO1)

- a) Robota b) Rebota
- c) Rabota d) Ribota

Q.6 Driver are also known as (CO3)

- a) Controller b) Sensor
- c) Manipulator d) Actuator

SECTION-B

Note: Objective type questions. All questions are compulsory. (6x1=6)

Q.7 Expand I.S.O (CO1)

Q.8 Define Robot (CO1)

Q.9 Write second law of Robotics (CO1)

Q.10 Joint of robot is _____ (CO5)

Q.11 Expand LVDT. (CO4)

Q.12 Define degree of freedom (CO2)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Discuss the special purpose robots in brief. (CO1)

Q.14 Explain closed and open kinematic chains (CO2)

Q.15 What is Gripper? Discuss (CO2)

Q.16 Explain use of Solenoids in Robotics. (CO3)

Q.17 Discuss how sensors are selected? (CO4)

Q.18 Explain operation in joint mode. (CO5)

Q.19 Explain teaching robot wrist positions in brief. (CO5)