

UNIT - IV**18**

- 4 a. With neat block diagrams, explain open loop and closed loop control system. 9 L2 CO4 PO1,2
- b. Explain the operating principle of Digital engine control system. 9 L3 CO4 PO2
- c. Explain engine cranking and engine warm-up control. 9 L2 CO4 PO2

UNIT - V**18**

- 5 a. Briefly explain the purpose and application of embedded systems in automobile. 9 L2 CO5 PO1,2
- b. Explain the following:
- i) GLS 9 L3 CO5 PO2
 - ii) GPSS
 - iii) GMS
- c. Explain the multiprocessor communication using CAN bus. 9 L2 CO5 PO2

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