

Question Bank

ET & IoT (CAT-1)

1. What is UART?
2. What is the difference between Von Neumann architecture and Harvard architecture ?
3. What do you mean by hard real time embedded system? Mention two applications where we can use this type of embedded system.
4. What is large scale embedded systems ?
5. Architecture of Microcontroller used in Arduino UNO.
6. Explain about the details of other hardware units available in embedded system.
7. Describe in detail about embedded system on-chip with necessary sketch.
8. Discuss about the factors to be considered for selection of processor in embedded system.
9. Illustrate with example the techniques used for memory devices.
10. Write the need for software in embedded systems.
11. What is flash memory and EEPROM ?
12. What do you mean by system-on-chip (SOC)? Mention one example.
13. What are the different memory devices used in embedded systems?
14. Explain input output devices used in embedded systems.
15. Distinguish between microprocessor and microcontroller ?
16. What is system on chip? Explain embedded systems change with system on chip.
17. What is processor architecture? What are the different processor architectures available for processor design?
18. Explain the design process of embedded systems.
19. What are the programming languages used in embedded systems?
20. Explain about significance of embedded system and classification of the Embedded systems.
21. Explain about the components used as core of an embedded system. Also mention their commonly used application.
22. Explain the classification of embedded systems.
23. Explain the input and output devices used in embedded systems.
24. What is an embedded system? List out its applications. Explain why the processors play a vital role in embedded systems.
25. What is the difference between RISC and CISC ?
26. How the software is embedded on to the system? Explain.
27. Explain the techniques used for selection of memory in embedded systems.