

- 1) Attempt Q.No.1 or Q.No.2, Q.No.3 or Q.No.4, Q.No.5 or Q.No.6, Q.No.7 or Q.No.8, Q.No.9 or Q.No.10, Q.No.11 or Q.No.12.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) Explain with diagram different characteristics of embedded systems. [8] OR

Q2) Explain the need of watchdog timer and reset after the watched time. [8]

Q3) Describe build process for embedding software. [8] OR

Q4) Explain embedded system design technologies. [8] OR

Q5) Describe and compare RS232C and SDIO Devices. [9] OR

Q6) Explain types of serial communication with examples. [9]

Q7) How precedence constraint decides in real time tasks? Explain. [8] OR

Q8) What are the function parameters and resource of real time process? Explain in brief. [8]

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[9] Q12) Explain the process for developing embedded software.

OR

[9] Q11) Describe the features of ONX Neutrino.

[8] Q10) What are the advantage and disadvantage of disabling interrupts during the running of a critical section of a process? Explain.

OR

[8] Q9) Explain shared data problem while handling interrupts in detail.