

UNIT - II

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- 2 (a) What operations are performed by CPU for solving sharing data problem ? 8
(b) Explain the Round Robin scheduling. 8

OR

- 2 (a) What is context and why context saving occurs in multitasking system ? 8
(b) Explain interrupt in embedded system and also give the brief idea of Function Queue scheduling Architecture. 8

UNIT - III

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- 3 (a) Short note on :
(1) Reentrancy
(2) Mutex
(3) Scheduler
(4) RTOS

4×4=16

OR

- 3 (a) What is interprocess communication and synchronization in RTOS ? 8
(b) Explain the role of timer functions in RTOS. 8

UNIT - IV

- 4 (a) Difference between hard real time and soft real time system. 8
(b) Explain the architecture of RTOS Kernel. 8

OR

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4 (a) Short note on :

(1) RT Linux

(2) Locator

4×2=8

(b) Brief idea to save memory space in embedded system.

8

UNIT - V

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5 (a) Explain following terms :

(i) Emulator

(ii) CPU performing issue

4×2=8

(b) Explain the Debugging Techniques.

8

OR

5 (a) What is the process of software code development in Embedded System?

8

(b) Explain the in-circuit emulators and monitors.

8

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