



PART B --- (5 × 16 = 80 marks)

11. (a) (i) Discuss the contents of ROM image. (8)  
(ii) What are the different types of display systems used in embedded systems? (8)

Or

- (b) (i) What is SOC and explain it with an examples? (8)  
(ii) How are softwares embedded into the system? Explain with an example. (8)
12. (a) Discuss in detail synchronous and asynchronous serial devices with examples and give its characteristics. (16)

Or

- (b) (i) Explain the ISA bus. (8)  
(ii) Explain the PCI bus. (8)
13. (a) Explain in detail the implementation and functions of QUEUE in embedded C language. (16)

Or

- (b) Explain LISTS in embedded 'C' language in detail. (16)
14. (a) Explain in detail critical section service by a preemptive scheduler. (16)

Or

- (b) Write detailed notes on Inter Process Communication. (16)
15. (a) Explain Mailbox related functions in MUCOS. (16)

Or

- (b) Explain Queue related functions in MUCOS. (16)