

PART – A

1. Define EDLC.
2. What is meant by user acceptance testing?
3. Define Data Flow Graph model?
4. Write about the processes involved in Co-Design.
5. Define Class in object oriented model?
6. Define RTOS and its functions?
7. What are the benefits of multithreaded programming?
8. Define semaphore.
9. What is priority inheritance?
10. Define MUTEX.

PART-B

11. a.) Illustrate with functional description about the different phases of EDLC. (13)
(Or)
b.) Explain in detail (a) fountain model (b) water fall model (13)
12. a.) Explain in detail about prototyping model and spiral model (13)
(Or)
b.) Discuss in detail about the various fundamental issues in software and hardware co design. (13)
13. a.) Explain in detail the following computational models (13)
(i) Concurrent process model (ii) object oriented model.
(Or)
b.) Explain in detail how memory management and interrupt handling in RTOS. (13)
14. a.) Explain in detail how time management and error handling are done in RTOS.
(Or)
b.) Discuss in detail about inter process communication and semaphore.

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15. a.) Explain in detail about process and threads in RTOS (13)
(Or)
b.) Explain in detail about Task scheduling in RTOS. (13)

PART C (1*15=15)

16. a.) Explain the terminologies mailbox, pipes and shared memory in RTOS.
(Or)
b.) Explain the objectives of EDLC in detail

Embedded Systems Question Paper

JS Bruner



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Garbajosa,Xiaofeng Wang,Ademar Aguiar,2018-05-16 This open access book constitutes the proceedings of the 19th International Conference on Agile Software Development XP 2018 held in Porto Portugal in May 2018 XP is the premier agile software development conference combining research and practice and XP 2018 provided a playful and informal environment to learn and trigger discussions around its main theme make inspect adapt The 21 papers presented in this volume were carefully reviewed and selected from 62 submissions They were organized in topical sections named agile requirements agile testing agile transformation scaling agile human centric agile and continuous experimentation

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