

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

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Intelligent Data Communication Technologies and Internet of Things D. Jude Hemanth, Subarna Shakya, Zubair Baig, 2019-11-10 This book focuses on the emerging advances in distributed communication systems big data intelligent computing and Internet of Things presenting state of the art research in frameworks algorithms methodologies techniques and applications associated

with data engineering and wireless distributed communication technologies In addition it discusses potential topics like performance analysis wireless communication networks data security and privacy human computer interaction 5G Networks and smart automated systems which will provide insights for the evolving data communication technologies In a nutshell this proceedings book compiles novel and high quality research that offers innovative solutions for communications in IoT networks

Analysis and Design of Hybrid Systems 2006 Christos Cassandras,Alessandro Giua,Carla Seatzu,Janan Zaytoon,2006-11-21 This volume contains the proceedings of Analysis and Design of Hybrid Systems 2006 the 2nd IFAC Conference on Analysis and Design of Hybrid Systems organized in Alghero Italy on June 7 9 2006 ADHS is a series of triennial meetings that aims to bring together researchers and practitioners with a background in control and computer science to provide a survey of the advances in the field of hybrid systems and of their ability to take up the challenge of analysis design and verification of efficient and reliable control systems ADHS 06 is the second Conference of this series after ADHS 03 in Saint Malo 65 papers selected through careful reviewing process Plenary lectures presented by three distinguished speakers Featuring interesting new research topics

Computational Science and Its Applications - ICCSA 2009 Osvaldo Gervasi,David Taniar,Beniamino Murgante,Antonio Laganà,Youngsong Mun,2009-07-09 The two volume set LNCS 5592 and 5593 constitutes the refereed proceedings of the International Conference on Computational Science and Its Applications ICCSA 2009 held in Seoul Korea in June July 2009 The two volumes contain papers presenting a wealth of original research results in the field of computational science from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques The topics of the fully refereed papers are structured according to the five major conference themes computational methods algorithms and scientific applications high performance technical computing and networks advanced and emerging applications as well as information systems and information technologies Moreover submissions from more than 20 workshops and technical sessions contribute to this publication These cover topics such as geographical analysis urban modeling spatial statistics wireless and ad hoc networking logical scientific and computational aspects of pulse phenomena in transitions high performance computing and information visualization sensor network and its applications molecular simulations structures and processes collective evolutionary systems software engineering processes and applications molecular simulations structures and processes internet communication security security and privacy in pervasive computing environments and mobile communications

Technological Innovation for the Internet of Things Luis M. Camarinha-Matos,Slavisa Tomic,Paula Graca,2013-04-15 This book constitutes the refereed proceedings of the 4th IFIP WG 5.5 SOCOLNET Doctoral Conference on Computing Electrical and Industrial Systems DoCEIS 2013 held in Costa de Caparica Portugal in April 2013 The 69 revised full papers were carefully reviewed and selected from numerous submissions They cover a wide spectrum of topics ranging from collaborative enterprise networks to microelectronics The papers are organized in the following topical sections

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Thiagarajan,2006-06-21 This book constitutes the refereed proceedings of the 27th International Conference on Applications and Theory of Petri Nets and Other Models of Concurrency ICATPN 2006 held in Turku Finland in June 2006 The book presents 16 revised full papers and 6 revised tool papers together with 4 invited papers All current issues on research and development in the area of Petri nets and modeling of concurrent systems are addressed

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