

Code : 1G485

IV B.Tech. II Semester Regular Examinations April 2015

Network Management Systems
(Information Technology)

Max. Marks: 70

Time: 03 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

1. a) What are network management models? Explain each on in detail?
b) With a neat diagram Explain network management dumbbell architecture?
2. a) Explain SNMP proxy server organization model?
b) Explain how does the network manager know SNMP Set arrived?
3. Explain the SNMP communication model in detail?
4. Write the architecture of SNMPv2? And note down the challenges in SNMPV2.
5. a) What is remote monitoring? Explain the remote monitoring?
b) Compare and contrast RMON1 and RMON2?
6. Explain in detail the TMN architecture?
7. Write a short note on
 - a) Traffic Load monitoring
 - b) SNMP Tools
8. a) Explain the embedded web-based management?
b) Give brief description about enterprise management solution?

Code : 1G481

R-11

IV B.Tech. II Semester Regular Examinations April 2015

Software Architecture and Design Patterns

(Information Technology)

Max. Marks: 70

Time: 03 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

1. a) What makes a good Architecture? 6M
b) Differentiate between Reference architecture and Architectural pattern. 8M
2. a) What are the most important quality attributes. 6M
b) Explain the concept of Reconstructing software Architecture. 8M
3. a) Discuss the factors for evaluating architecture. 6M
b) Explain the steps in implementing CBAM. 8M
4. Explain the product lines architecture and discuss the reasons that makes software product lines difficult 14M
5. Draw the structure and also discuss the motivation, applicability, participants, collaborations, consequences, and implementation of bridge and composite patterns. 14M
6. a) Briefly discuss applicability of façade structural patterns. 6M
b) How do you describe Proxy Design pattern 8M
7. Discuss the motivation, applicability, participants, collaborations, consequences, implementation, known uses and related patterns of interpreter and iterator patterns. 14M
8. Discuss the case study of A-7E in utilizing architectural structures 14M

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IV B.Tech. II Semester Regular Examinations April 2015

Distributed Systems
(*Information Technology*)

Max. Marks: 70

Time: 03 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

1. a) Explain about the features of Distributed versus centralized databases? 7M
b) Write down about the distributed data base management systems? 7M
2. Explain about Equivalence transformations for queries? 14M
3. a) Discuss about assumptions for distributed query optimization? 7M
b) Explain about importance of query optimization in distributed databases? 7M
4. a) Briefly describe about the communication failures in distributed databases? 4M
b) Explain about the concurrency control based on locking in distributed databases? 10M
5. a) Differentiate between serializability in a centralized and distributed databases? 7M
b) Write down about the time and timestamps in distributed databases? 7M
6. Explain about commitment protocols & network partitions? 14M
7. a) Explain about the query processing in commercial systems? 7M
b) Explain about the distributed transaction management in commercial systems? 7M
8. a) Explain about the architecture of MULTIBASE with neat diagram? 7M
b) Explain about the Schemas & queries of different levels of the MULTIBASE architecture? 7M

Code : 1GA81

IV B.Tech. II Semester Regular Examinations April 2015

Management Science
(Information Technology)

Max. Marks: 70

Time: 03 Hours

Answer any five questions

All Questions carry equal marks (14 Marks each)

1. Define management? Explain F.W. Taylor Scientific Management theory?
2. What is fixed Position Layout? State the advantages and limitations?
3. What is Marketing Mix? Briefly explain the basic elements in marketing mix?
4. "Human Resource Management is like key function in management process," explain?
5. What is meant by Crashing of network? Give step by step procedure of crashing with example?
6. What is 'SWOT' analysis? Analyze how 'SWOT' analysis can be used to evolve appropriate corporate strategy?
7. Explain the concept of JIT. How does it help the manufacturing system to improve productivity?
8. Define management ethics. Explain various ethical issues in operation management and Human Resource management?
