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B.E. / B.Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2012

INFORMATION TECHNOLOGY BRANCH

EIGHTH SEMESTER

IT 9040-MULTIMEDIA NETWORKS

(REGULATIONS 2008)

Time: 3 hr **Max Marks: 100**

Answer ALL Questions

PART – A (10 x 2 = 20 Marks)

1. List the demerits of the best effort model.
2. What is meant by QoS in the context of a communication networks?
3. How does a traffic shaping algorithm control the congestion in the network?
4. What is the responsibility of the call admission control?
5. Is RTSP an out-of-band protocol? Justify this statement.
6. What is meant by address of record in the SIP protocol?
7. Differentiate cross layer QoS from traditional QoS techniques.
8. What is dynamic bandwidth adaptation?
9. Explain briefly about the advantage of streaming the media.
10. Differentiate lossy and lossless compressions.

PART – B (5 x 16 = 80 Marks)

11) Explain the multimedia multiplexing protocol in detail. Explain how it handles the flow control, congestion control. (16)

12) a) Explain the challenges to provide the QoS in wireless multimedia communications. (16)

(or)

b) Explain the design challenges and advantages of the bandwidth adaptation techniques. (16)

13) a) Explain the working principle of RTSP protocol in detail. (16)

(or)

b) Explain the SIP protocol in detail. List its applications. (16)

14) a) Explain the following traffic shaping algorithms in detail.

(i) Leaky bucket method (8)

(ii) Token bucket method (8)

(or)

b) Explain the architecture of the MBONE networks in detail. (16)

15) a) Why can't we use the traditional TCP/IP network protocols in the wireless environment. Discuss the required enhancements in detail. (16)

(or)

b) Compare the best effort service model with guaranteed service model in detail. (16)

B.E/ B.Tech (Arrear) Degree End Semester Examinations Nov/ Dec 2012
Information Science and Technology
VIII Semester
IT 9032– Enterprise Resource Planning
(Regulations 2008)

Time: 3 hr Max Mark: 100

Part A (10 X 2 = 20)

1) What is an enterprise?
2) How does ERP helps in better decision making?
3) What is MRP and what is it used for?
4) How does ERP create value?
5) Name any four risks of ERP implementation
6) Are there any tangible benefits of ERP? Justify.
7) What are the factors that influence business intelligence?
8) Name a few technologies used in data mining?
9) What are the uses of Product Data Management?
10) How do we evaluate the success of an ERP implementation?

Part B (5 X 16 = 80)

11) a) Discuss the working of a typical manufacturing organization. Is it fundamentally different from a service organization? Compare and contrast (8)
b) How does ERP help in the manufacturing organization? Discuss the roadmap for a successful ERP implementation. (8)

12) a) i) What are the limitations of ERP? What are the technologies that are used to improve the capabilities of ERP systems (8)
ii) Discuss the IT revolution and how it has changed the people and organizations (8)
(or)
b) i) What does business process re-engineering mean? Discuss the different phases of BPR (8)
ii) Why are data warehouses important and how can they be integrated with ERP systems (8)

13) a) i) Discuss the main objectives of ERP implementation. What are the different phases and list out the activities. (10)
ii) Discuss the reasons for the failure of ERP implementation (6)
(or)
b) i) What are the different implementation strategies in ERP? Explain (8)
ii) With an example, explain how to choose an implementation strategy? (8)

14) a) i) Why is it difficult to manage an ERP implementation? (6)
ii) How is performance measurement done? (4)
ii) What are the system issues of an ERP implementation (6)
(or)
b) i) Discuss the ERP package evaluation and selection process (8)
ii) What are the various selection criteria and why is it important for the effective package selection?

15) a) i) Explain the operation of ERP system (8)

ii) Explain how ERP systems improve the performance of the organization by integrating the different functional modules (8)

(or)

b) i) What are the different modules of the ERP system. Explain (8)

ii) With an example, explain ERP design in either Finance or manufacturing sector (8)