B.TECH. DEGREE EXAMINATION, NOVEMBER 2013

Eighth Semester

Branch : Information Technology

INFORMATION SYSTEMS AND MANAGEMENT (T)

(Supplementary)

Maximum : 100 Marks

Time : Three Hours

Answer **all** *questions.*

Part A

Each question carries 4 marks.

1. What is meant by organizational effectiveness?

2. Controlling is an important function of management. Explain.

3. Describe the process of decision-making.

4. What is the need for automation?

5. What are the basic elements of MIS?

6. Describe the basic characteristics of a 'Business model'.

7. Explain the meaning of ERP.

8. Write a note on the 'Enabling Technologies' of ERP.

9. Define 'Data warehousing'.

10. List out the basic components of Decision Support System.

(10 × 4 = 40 marks)

Part B

Each question carries 12 marks.

11.　(a)　Differentiate between Classical and System approach of organization. Explain their usefulness.

Or

　　(b)　How does Group behaviour differ Individual behaviour? How do they influence organizational functioning?

Turn over

12. (a) What are the basic needs of information for managerial process of an organisation? How can they be integrated in an information system?

Or

(b) Explain the design and development of a decision assisting information system for a retail shop.

13. (a) Describe the strategic planning process for an automated information system.

Or

(b) Explain the detailed design of an MIS for an administrative office.

14. (a) Discuss in detail the future trends in ERP technology.

Or

(b) What are the biggest challenges faced by the ERP Vendors with the arrival of internet? What are the fears of ERP implementation?

15. (a) What are the needs for knowledge management? Explain the different forms of knowledge with examples.

Or

(b) What is data mining? Explain about the architecture of data mining mentioning the application areas.

(5 × 12 = 60 marks)

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B.TECH. DEGREE EXAMINATION, NOVEMBER 2013

Eighth Semester

Branch : Information Technology

E-COMMERCE (T)

(Supplementary)

Maximum : 100 Marks

Time : Three Hours

Part A

Answer **all** *questions.*
Each question carries 4 marks.

1. Explain, what are middle ware services.

2. What are the various transport providers for information delivery.

3. Explain the features and uses of smart cards.

4. Explain the process of third party processing of electronic payments.

5. What are EDI envelopes ?

6. Write about EDI applications in business.

7. Explain what is IIS.

8. What are push based and pull based supply chains ?

9. Explain what is cell relay.

10. How can video conferencing contribute to e-commerce operations ?

(10 × 4 = 40 marks)

Part B

Each question carries 12 marks.

11. Explain the anatomy of e-commerce applications.

Or

12. Explain in detail the e-commerce organisational applications.

13. Discuss the principles, advantages and disadvantages of credit card based payments.

Or

14. Discuss the factors to be considered in designing electronic payment systems.

Turn over

15. (a) What are the advantages and disadvantages of MIME ?

   (b) Write notes on EDI gateways.

Or

16. Discuss the internet based EDI in detail.

17. Explain the various types of digital documents.

Or

18. Explain the various types of data warehouses in detail.

19. (a) Explain the term frame relay.

   (b) Write notes on ATM.

Or

20. (a) Bring out the benefits of advertising on the internet.

   (b) Discuss how multimedia can be used with advantages for e-commerce applications.

(5 × 12 = 60 marks)

F 6595 (Pages : 2) Reg. No..................................

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B.TECH. DEGREE EXAMINATION, NOVEMBER 2013

Eighth Semester

Branch : Information Technology

HIGH PERFORMANCE COMPUTING (Elective II) [T]

(Supplementary)

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Part A

Each question carries 4 marks.

1. What are the issues in designing a pipeline computer ?

2. Discuss the performance of parallel computing.

3. Give the pipelined structure of a typical central processing unit.

4. What are data hazards ? Explain.

5. Explain data routing mechanisms.

6. Explain connection issues in SIMD processing.

7. Explain the processor characteristics for multiprocessing.

8. What is a semaphore ? Explain.

9. Discuss in detail multilevel event-driven approach.

10. Differentiate control flow and data flow computer.

(10 × 4 = 40 marks)

Part B

Each question carries 12 marks.

11. Explain the trends towards parallel processing.

Or

12. Briefly discuss the Indian contribution to parallel processing.

13. Describe the designing principle for pipeline processors.

Or

14. Explain instruction prefetch and branch handling.

Turn over

15. Discuss SIMD matrix multiplication.

Or

16. Explain with diagrams cube interconnection networks.

17. Briefly explain crossbar switch and multiport memories.

Or

18. Explain process synchronisation mechanisms.

19. Describe in detail the major design issues of dataflow computer and its advantages.

Or

20. What is the role of data flow graph and languages in data flow computers ? Explain.

(5 × 12 = 60 marks)