

F 3324

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch—Information Technology

IT 010 701—FINANCIAL MANAGEMENT AND E-BANKING (IT)

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. What is current asset ? How does it differ from fixed asset ?
2. Explain the term Depreciation with suitable examples.
3. What is standard cost ? What are its advantages ?
4. Define value analysis.
5. Name the required features of an online banking website.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. How is the balance sheet ? A measure of the firms liquidity and solvency ? Explain.
7. State the rules for debit and credit ?
8. Describe the procedural steps for preparing the Break-Even chart.
9. What are the steps involved in introducing a cost reduction program ?
10. Explain the applications of INTRANET in Banks.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Why is there a separation of ownership and management in large companies. Explain.

Or

12. Present the account form as well as the report form of the balance sheet ?

Turn over

13. Explain double entry system of accounts. Why it is called Double entry system ?

Or

14. Describe the following :—

- | | |
|---------------------|---------------------------|
| 1 Trial balance ; | 2 Manufacturing Account ; |
| 3 Trading Account ; | 4 Cash book. |

15. Explain the following financial ratios with their significance :—

- | | |
|--------------------|---------------------|
| 1 Liquid ratio ; | 2 Solvency ratios ; |
| 3 Activity ratio ; | 4 Net Profit ratio. |

Or

16. Describe the effect of increase or decrease in sales. Price on Break Even Point with the help of neat sketches.

17. What is a fund flow statement ? Explain the need Objectives and its significance in Managerial decision.

Or

18. Describe the following :

- 1 Control on prime cost ;
- 2 Control on overheads ;
- 3 Control on indirect materials and tools.

19. Discuss the different groups in which the banking software can be broadly categorized.

Or

20. What are the marketing issues that usually arise in online Banking? Explain.

[5 × 12 = 60 marks]

2
F 3335

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Information Technology

IT 010 702—OBJECT ORIENTED MODELING AND DESIGN

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. What are candidate keys ? Explain its uses.
2. With an example explain DFD.
3. What is meant by iterating the analysis ?
4. Discuss the necessity of Design optimisation.
5. What is an object diagram ? Explain.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. What are the constraints in advanced object modeling ? Explain.
7. Explain Nested state diagrams.
8. What are boundary conditions of system ? How it is handled ?
9. Compare the methodologies of object design.
10. Explain the advantages of using UML diagrams.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Discuss object oriented models with examples.

Or

12. Describe the generalization as extension and restriction.

Turn over

13. Describe in detail the relationship of object and dynamic models.

Or

14. Explain the relation of functional to object and dynamic models.

15. Discuss in detail analysis in functional modeling.

Or

16. With example explain allocation of subsystem to processors and tasks.

17. Write notes on :

(a) Physical packaging ;

(b) Designing algorithms.

Or

18. Give a brief description of implementation of control.

19. Draw use case diagram, activity diagram of a Library system.

Or

20. Considering ATM as case study draw deployment diagram compound diagram and object diagram.

[5 × 12 = 60 marks]

F 3347

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Information Technology

IT 010 703—COMPUTER GRAPHICS AND MULTIMEDIA SYSTEMS (IT)

(New Scheme—2010 Admissions)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. List different types of input devices.
2. Derive an equation in matrix form for scaling.
3. Explain the advantages of Hidden surface removal.
4. Explain synchronous transmission mode.
5. List the major steps of data compression.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Describe computer graphics software.
7. Discuss the necessity of Homogeneous coordinates in graphics.
8. Discuss briefly z-buffer Algorithm.
9. What is medium ? Explain.
10. What are the characteristics of multimedia real time operating system ?

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain graphical user interface in detail.

Or

12. With an example explain DDA line drawing algorithm.

Turn over

13. Explain briefly the different types of transformations with its equations.

Or

14. Explain Cohen Sutherland line clipping algorithm with an example.

15. Discuss Z-buffer algorithm with an example.

Or

16. Briefly explain Gourand shading.

17. Discuss basic concepts of images and graphics.

Or

18. Explain Data stream characteristics for continuous media.

19. Describe Image preparation in JPEG data compression.

Or

20. Describe Resource management in detail.

[5 × 12 = 60 marks]

F 3358

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Information Technology

IT 010 704—INTERNET WORKING (IT)

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. What is ARP ?
2. What do you mean by CIDR ?
3. Explain significance of Routing Algorithms.
4. What is TELNET ?
5. Explain NFS.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain about Forwarding of IP datagrams.
7. What is UDP ? Discuss its features.
8. Discuss the message types in BGP.
9. Explain Internet Multicasting.
10. Explain HTTP.

(5 × 5 = 25 marks)

Part C

Answer either (a) or (b) from each question.

Each question carries 12 marks.

11. (a) Explain the Internet architecture. Discuss the classful Internet Address.

Or

- (b) Draw and explain the fields in IP packet header in detail.

Turn over

12. (a) Explain ICMP in detail.

Or

(b) Explain Protocol Layering. Discuss its advantages and disadvantages.

13. (a) Explain OSPF in detail.

Or

(b) Discuss the Routing Architecture and any one routing algorithm.

14. (a) Explain DNS and discuss any *three* applications of DNS.

Or

(b) Explain DHCP.

15. (a) Explain SMTP in detail.

Or

(b) Discuss briefly on RSVP.

(5 × 12 = 60 marks)

F 3368

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Information Technology

IT 010 705—WEB APPLICATIONS DEVELOPMENT (IT)

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. How will you create data access objects ?
2. What are servlet parameters ? Explain.
3. What is JSP objects ? Explain.
4. Explain entity beans.
5. What are MDB ? Explain.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain some J2EE applications.
7. What are scrollable result sets ? Explain.
8. What are implicit JSP objects ?
9. Explain Bean attributes.
10. What is RMI ? Explain its uses.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. With neat diagram explain web architecture.

Or

12. Discuss on Task list for building J2EE applications and building pages.

Turn over

13. Discuss the SQL to Java Data types and JDBC execution types.

Or

14. Briefly explain the basic HTTP and servlet API.

15. Explain error handling and debugging in JSP.

Or

16. Discuss on Application models and MVC design.

17. Discuss the overview of Enterprise Java beans and bean attributes.

Or

18. Explain the life cycle of EJB.

19. Explain Java message service and message driven beans.

Or

20. Discuss the personal roles for EJB development and building session beans.

(5 × 12 = 60 marks)

F 3400

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Information Technology

IT 010 706 L06 – DATA MINING AND DATA WAREHOUSING (Elective II) [IT]

(New Scheme – 2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. What are the motivations for using OLAP?
2. What is distributed data warehouse?
3. Explain dimensionality reduction.
4. What are the characteristics of Decision Tree Induction?
5. What are the aims of web data mining?

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. What is metadata? Explain.
7. Explain tuning and testing of data warehousing.
8. What is data transformation? Explain.
9. Explain how a rule-based classifier works.
10. Explain descriptive mining of complex data objects.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Briefly describe the evolution of decision support system.

Or

Turn over

12. With diagrams, explain the stars and snowflakes schemas for multidimensional database.
13. Explain 3-tier data warehouse architecture with diagram.

Or

14. Discuss Business Intelligence trends and Data warehousing.
15. What are the stages of the data mining process? Explain.

Or

16. Describe the integration of a data mining system with data warehouse.
17. Briefly explain Bayesian classification.

Or

18. Explain density based clustering in detail.
19. Describe Spatial mining.

Or

20. Explain Text mining with diagrams.

(5 × 12 = 60 marks)

F 3469

(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Computer Science and Engineering/Information Technology

WEB TECHNOLOGIES (RT)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

Part A

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

1. What is EJB ?
2. List the features of SGML.
3. Explain the response objects in JSP.
4. Explain Customization.
5. How can XML data be stored in HTML ?
6. What are Entity Beans ?
7. What are the different types of Bean properties ?
8. What is XML ?
9. Describe Scriptlets.
10. How can XML be converted to HTML with XSL minimalist XSL style sheets ?

(10 × 4 = 40 marks)

Part B

*Answer all questions.
Each question carries 12 marks.*

11. (a) Why is XML a subject of SGML ? (6 marks)
- (b) Compare XML and HTML. (6 marks)

Or

12. Explain briefly on :
 - (a) CDATA section. (4 marks)
 - (b) Attributes of tags. (4 marks)
 - (c) Starting and ending of tags. (4 marks)

Turn over

13. List the various applications of XML.

Or

14. Explain Document type declaration in XML. How can XML DTD be prepared.

15. (a) Explain the features of Java Beans in detail.

(6 marks)

(b) How can events be created in Java Beans.

(6 marks)

Or

16. Explain how Bean Info classes be created and used.

17. (a) Explain JSP.

(6 marks)

(b) Explain how Java Beans is used in JSP.

(6 marks)

Or

18. Explain how accessing can be done in beans is scriplets.

19. (a) Explain the features of Entity beans.

(6 marks)

(b) Write briefly on the developing and using of Entity Beans.

(6 marks)

Or

20. Explain the development of session beans in detail.

[5 × 12 = 60 marks]