

G 1632

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Information Technology

IT 010 801—WIRELESS COMMUNICATION (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. Define Spread Spectrum Power Control.
2. Explain PDC protocol.
3. Draw the diagram for UMTS network.
4. What is meant by CSCF ?
5. Define Wireless Local Loop.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain Wideband CUMA Air Interface.
7. Describe in detail about Radio Resource Control.
8. Briefly explain about New concepts in UMTS Network.
9. Explain in detail about QoS Classes.
10. Write short notes on WLL products.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain the trends towards Principles of CDMA.

Or

Turn over

12. Describe in detail Frequency and time synchronization.
13. Describe the Modulation techniques and spread spectrum.

Or

14. Briefly explain about Channel coding.
15. Write in detail about UMTS Radio access network.

Or

16. Explain in detail about gateway location register.
17. Describe in detail about IMS protocols.

Or

18. Discuss in detail about Tele and Bearer Services.
19. Write in detail about 4G networks.

Or

20. Briefly explain about LMDS.

(5 × 12 = 60 marks)

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Information Technology

IT 010 802 – CRYPTOGRAPHY AND NETWORK SECURITY (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. Define Fermat's Theorem.
2. Explain Symmetric Ciphers.
3. Differentiate public key and private key cryptosystems.
4. What is meant by Kerberos?
5. Define Viruses and Threats.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain Chinese Remainder Theorem with example.
7. Describe in detail about Data Encryption Standard.
8. Briefly explain about RSA Algorithm.
9. Explain in detail about S/MIME.
10. Write short notes on Intrusion Detection.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain the methods for testing prime numbers.

Or

12. Explain Linear and Quadratic Congruence.

13. Describe the Substitution and Transposition Ciphers.

Or

14. Briefly explain about Advanced Encryption Standard.

15. Write in detail about ElGamal Cryptosystem.

Or

16. Explain in detail about Secure Hash Algorithm.

17. Describe in detail about X.509 Authentication Service.

Or

18. Discuss in detail about IP Security Architecture.

19. Write in detail about Viruses and Related Threats.

Or

20. Briefly explain about Distributed Denial of Service attacks.

(5 × 12 = 60 marks)

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Information Technology

IT 010 804 L01 – SOFTWARE TESTING (Elective III) [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 would you explain testing?
2. Classify the types of review.
3. How would you categorise the levels of testing?
4. What is the theme of test plan?
5. What is a test report?

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain the cost aspect of Testing.
7. Classify the levels of validation.
8. Explain alpha testing.
9. Explain Test cases.
10. Explain bench marking.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain Work bench.

Or

12. Give brief description about Risk analysis.

13. What can you say about testing?

Or

14. Explain the defect life-cycle.

15. Explains in detail about Code review.

Or

16. Describe about the Testing Tools.

17. Explain in detail about Test standards.

Or

18. Outline the Test progress Monitoring.

19. Describe in detail about Residual defect density.

Or

20. Explain about Qualitative and Quantitative Data.

(5 × 12 = 60 marks)

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Reg. No.....

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B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Information Technology

IT 010 805 G04 – ELECTRONIC BUSINESS AND SERVICES (Elective IV) [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. Define *e-Commerce Business Models*.
2. What are the uses of digital signature?
3. Explain the payment gateways.
4. Define BLAST-SAHA.
5. Describe about the E-Commerce of multimedia.

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each full question carries 5 marks.

6. Briefly explain the EDIFACT.
7. Describe the AES.
8. Draw the function of mobile banking.
9. Briefly explain CCFD using sequence alignment.
10. Explain in detail about IT 2008 amendments.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. Sketch the layered architecture with suitable diagram.

Or

12. What is meant by *m-Commerce*? List the applications of *m-Commerce*. Explain the layered Architecture of *m-Commerce*.

13. Explain in detail about the RSA.

Or

14. With the help of neat diagram, explain the Diffie-Hellman Key Exchange.

15. Write in detail about credit card payment coagulation.

Or

16. List out the difference between electronic cheque payment and electronic cash.

17. Mention the CCFD using dempster-shafer theory with suitable diagram.

Or

18. Show the Bayesian inferencing in CCFD with neat block diagram.

19. Briefly describe Intellectual Property Issues.

Or

20. List the different highlights and shortcomings of IT act 2000.

(5 × 12 = 60 marks)