

F 3568

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Reg. No.....<sup>IT</sup>.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

**Branch : Information Technology**

**PROJECT MANAGEMENT (T)**

**(Prior to 2007 Admission—Supplementary)**

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

*Each question carries 4 marks.*

1. Define capital Expenditure. What is meant by it ?
2. Point out the factors behind project development cycle.
3. Define market analysis. State its importance.
4. What are the components of technical analysis ?
5. What are the fundamental uses of project management software ?
6. Define Bench Marking. Why it is necessary ?
7. Explain the uses of TPM.
8. What is meant by Random sampling ? Give an example for stratified Random sampling.
9. What is meant by Quality ? Expand PSDA.
10. Define Risk and uncertainty.

(10 × 4 = 40 marks)

**Part B**

11. What is Capital Budgeting ? Explain its nature and the capitals.

*Or*

12. What are the various considerations in forming a project organisation ? Explain the role of a project manager.
13. State the inputs governing in the project consideration and explain the commonly used methods to examine the demand for a product.

*Or*

14. How will you anticipate market for your proposed product ? Explain the managerial competence to cope with market challenges.

**Turn over**

15. Define State of control. Explain the natural pattern of variation of a control chart.

Or

16. What is meant by process capability ? Discuss the attributes of control charts.

17. State the structure ISO 9000 Quality standards and explain its perspectives.

Or

18. Define Bench marking. Discuss its types and processes and the steps involved in BPR process.

19. How to do random sampling ? Discuss the key elements systematic sampling.

Or

20. Explain the factors determining sample size. Illustrate sampling from nonnormal population.

(5 × 12 = 60 marks)

(10 × 4 = 40 marks)

Part B

- 11. What is Capital Budgeting ? Explain its nature and the capital.
- Or
- 12. What are the various considerations in forming a project organization ? Explain the role of a project manager.
- 13. State the inputs governing in the project consideration and explain the commonly used methods to examine the demand for a product.
- Or
- 14. How will you anticipate market for your proposed product ? Explain the managerial competence to cope with market changes.

Turn over

**F 3575**

Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

Branch : Computer Science and Engineering/Information Technology

**SOFTWARE ENGINEERING (RT)**

(Prior to 2007 admissions—Supplementary)

Time : Three Hours

Maximum : 100 Marks

*Answer all the questions.*

**Part A**

1. Explain the role of Management in Software development.
2. Explain the software engineering in detail.
3. Explain project scheduling in detail.
4. Explain the Rayleigh curve in detail.
5. What is the principle of problem partitioning ? Explain.
6. Explain the module level concepts.
7. Explain the concept of information hiding.
8. What is code reading ? Explain.
9. Explain the testing fundamentals in detail.
10. Define and explain error removal efficiency.

(10 × 4 = 40 marks)

**Part B**

11. Discuss in detail the software development process models.

*Or*

12. Explain in detail the phases in software development.
13. Explain the cost estimation and uncertainties in detail.

*Or*

14. Explain the following :—

(i) Project monitoring plans.

(6 marks)

(ii) Quality assurance plans.

(6 marks)

15. Explain in detail the module level concepts.

*Or*

16. Describe in detail the principles of system design.

17. Explain the following :—

(i) Internal documentation.

(6 marks)

(ii) Symbolic execution.

(6 marks)

*Or*

18. Explain the significance of coding in software engineering.

19. Explain in detail the frictional and shructured testing.

*Or*

20. Write technical notes on :

(i) Comparison of verification and validation techniques.

(6 marks)

(ii) Programmer productivity.

(6 marks)

[5 × 12 = 60 marks]

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

**Branch : Computer Science and Engineering / IT**

**COMPUTER NETWORKS (R,T)**

(Prior to 2007 admissions only)

[Supplementary]

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

**Part A**

1. Compare ISO-OSI Reference Model with TCP/IP Reference Model.
2. What is meant by geostationary satellite ?
3. What are the design issues of Data link layer ?
4. What is CSMA with collision detection ?
5. Describe datagrams.
6. What is flooding ? What are the problem associated with flooding ?
7. Explain the elements of transport protocols.
8. Explain the difference between TCP and UDP.
9. Discuss the operation of DNS.
10. Write notes on Bluetooth.

(10 × 4 = 40 marks)

**Part B**

11. Draw the block diagram of ISO-OSI reference model and explain each block in it.

(12 marks)

*Or*

12. Explain different transmission media in physical layer.

(12 marks)

13. Describe in detail the link layer protocols and their structures.

(12 marks)

*Or*

**Turn over**

14. Derive and draw the throughput characteristics of various ALOHA Schemes. (12 marks)

15. Explain the following : —

(i) Virtual circuits.

(ii) Distance vector routing.

(6 + 6 = 12 marks)

Or

16. (i) What is congestion ? List the reason behind congestion. (6 marks)

(ii) Explain leaky bucket algorithm.

(6 marks)

17. Explain the various layers of TCP/IP model and list the protocols used in each. (12 marks)

Or

18. Write notes on ATM network. (12 marks)

19. What is meant by domain name ? How is a domain name translated to an equivalent IP address ? Explain.

(12 marks)

Or

20. Explain MIME protocol. (12 marks)

(5 × 12 = 60 marks)

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

Branch : Information Technology

**PERSONAL COMPUTER HARDWARE (T)**

(Supplementary—Prior to 2007 Admissions Only)

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all the questions.*

1. What is the need for add-on cards ? Explain.
2. What is the difference between SMPS and linear mode power supply ?
3. Explain the limitations of Floppy disc.
4. Explain the features of Hard Disk.
5. Define and explain data transfer rate.
6. What is the principle of holography ? Explain.
7. Differentiate S RAM from D-RAM.
8. Give an account on 'HMA'.
9. What is an Interface ? Explain its need.
10. Explain the functioning of communication ports.

(10 × 4 = 40 marks)

**Part B**

*Each question carries 12 marks.*

11. Explain the principle of operation of SMPS with a neat block diagram.  
*Or*
12. Explain in detail the different types of ports.
13. Explain in detail the Disk magnetic properties.  
*Or*
14. Explain the operation of HDD with a neat diagram.

**Turn over**

15. Describe in detail the principle and advantages of optical storage devices.

Or

16. Explain in detail the functioning of : (1) Buffers ; (2) WORM devices ; (3) CD Technology.

(4 + 4 + 4 = 12 marks)

17. Give an account on 'Advanced memory technologies'.

Or

18. Explain the principle of segmented addressing in detail with a neat diagram.

19. Explain in detail the keyboard/Mouse Interface connectors.

Or

20. Write technical notes on :

(i) PCMCIA.

(ii) USB.

(iii) EIDE.

[5 × 12 = 60 marks]

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

Branch—Computer Science and Engineering/Information Technology

**NETWORK COMPUTING (R, T)**

(Supplementary—Prior to 2007 Admissions only)

Time : Three Hours

Maximum : 100 Marks

*Answer all the questions.*

**Part A**

1. What is the need for SPAN Tags ?
2. Explain the basic structure of Hint document.
3. Explain about the term "Event Handling".
4. How is "Java Script" in different from "Java" ?
5. What is Inheritance ? Explain it briefly.
6. Briefly explain about JDK 1.1 event model.
7. What is meant by Java Applets ? Mention its uses.
8. What do you mean by "Datagram" ?
9. Discuss the HTTP methods "PUT" and "POST".
10. Write a short note on "Pop Protocol".

(10 × 4 = 40 marks)

**Part B**

11. Write the HTML codes for creation of a basic table structure with 3 rows and 3 columns.

*Or*

12. Explain style sheets.
13. Discuss in detail about dynamic updating of pages with JAVA Script.

*Or*

14. Explain in detail Active X Controls and Active X Documents.
15. Discuss in detail about the different classes in Java Programming with an example.

*Or*

16. Write a short note on Multi-threaded programs and thread Synchronization.

**Turn over**



17. What is meant by Java thread ? Briefly explain the term "Thread Synchronization".

Or

18. Briefly explain the structure of RMI program and explain the working with a simple program.

19. Discuss in detail about the working of a CGI supported web server.

Or

20. Write a note on server side scripting.

[5 × 12 = 60 marks]

Maximum : 100 Marks

Time : Three Hours

Answer all the questions.

Part A

1. What is the need for SPAN tags ?

2. Explain the basic structure of HTML document.

3. Explain about the term "Event Handling".

4. How is "Java Script" different from "Java" ?

5. What is Inheritance ? Explain it briefly.

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15. Discuss in detail about the different classes in Java Programming with an example.

Or

16. Write a short note on Multi-threaded programs and thread Synchronization.

Turn over

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**B.TECH. DEGREE EXAMINATION, NOVEMBER 2010**

**Sixth Semester**

Branch : Information Technology

**PROJECT MANAGEMENT (T)**

(Prior to 2007 Admission—Supplementary)

Time : Three Hours

Maximum : 100 Marks

**Part A**

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