Code: 9A05701

R9

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
WEB TECHNOLOGIES
(Computer Science and Engineering)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1   (a)   What is a web server?
    (b)   Explain installation procedure ISSXAMP web server.

2   (a)   What makes PHP a choice among other scripting languages?
    (b)   Briefly discuss about any two server side programming languages.

3   (a)   Explain about base conversion functions with an example.
    (b)   Explain about sorting of arrays.
    (c)   Write a PHP program to create login page

4   (a)   Explain about object type information.
    (b)   What are the various access modifiers available in PHP? Explain.

5   (a)   Explain the use of environment and configuration variables in PHP.
    (b)   Explain the advantages of the PHP functions available for the time and date.

6   (a)   What is a form? Explain the need of forms.
    (b)   Write a PHP program for redisplaying forms with previous information and error messages.

7   (a)   How to perform a query in PHP? Explain with PHP code.
    (b)   Briefly explain about the MVC architecture.

8   (a)   What is W3C DOM? Explain different parts and levels of W3C DOM.
    (b)   Explain briefly the function simplexml import dom() with example.

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Code: 9A05702

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
SOFTWARE TESTING
(Common to CSE and IT)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1   (a)   What are the advantages of matrix representations?
    (b)   Write about loops in matrix representation.

2   (a)   What are the different requirement features and functionality bugs?
    (b)   Write about different structural bugs.

3   (a)   Compare and contrast testing versus debugging.
    (b)   Explain the purpose of testing.

4   (a)   Explain different ugly domains.
    (b)   How programmers and testers treat ugly domains?

5   (a)   Define path predicate expression and coincidental correctness.
    (b)   Explain different phases of tester's mental life.

6   (a)   What are the different kinds of loops?
    (b)   Explain the procedure used in testing loops in path testing.

7   (a)   Explain the usage of regular expression in flow anomaly detection.
    (b)   Write about any two applications of regular expression.

8   What is decision table and how does it is useful in testing? Explain it with help of an
          example.

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Code: 9A05703

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
GRID AND CLUSTER COMPUTING
(Computer Science and Engineering)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
*****

1   What are the components of grid computing architecture?

2   Illustrate the parallel programming models and its paradigms.

3   (a)   What is grid computing? Explain its applications.
    (b)   Explain cluster computing architecture.

4   (a)   Give the web services architecture with neat explanation.
    (b)   Explain GATOSTAR architecture.

5   (a)   Write OGSA architecture and its goals.
    (b)   Illustrate the OGSA platform components.

6   Explain about OGSI.NET framework and its services.

7   Explain briefly about Globus GT_3 toolkit.

8   (a)   Discuss about grid services.
    (b)   Discuss architecture of distributed applications.
    (c)   Discuss about parallel computing.

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B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
DATA WAREHOUSING & DATA MINING
(Computer Science & Engineering)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1. (a) What is data mining? Explain its functionalities.
    (b) Explain major issues in data mining.

2.   Write and explain the basic algorithm for attribute oriented induction.

3. (a) Write the FP- growth algorithm. Explain.
    (b) Briefly explain about constraint- based association mining.

4. (a) Explain support vector machines.
    (b) Explain classification by back propagation.

5.   Write K-means and K-medoids algorithm.

6.   Write short notes on:
    (a) Mining sequence patterns in transactional databases.
    (b) Graph mining.

7. (a) Briefly discuss about mining the world wide web.
    (b) Define similarity search. Explain similarity search in time series analysis.

8.   List and explain data mining applications.

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R09

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
INFORMATION SECURITY
(Common to CSE and CSS)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1. (a) List out the different attacks caused in security. Explain
   (b) What is the purpose of S-boxes in DES? Explain the avalanche effect.

2. (a) Explain digital immune system with neat diagram.
   (b) Write short notes on worms.

3. (a) Explain the process involved in RSA algorithm with an example.
   (b) What are the approaches to message authentication.

4. Define digital signature. Explain its role in network security.

5. (a) Explain about the Kerberos with its requirements.
   (b) List and explain the PGP services.

6. (a) Explain the benefits of IP security.
   (b) Define ESP and explain the security services it provides.

7. (a) What is www? What are the challenges web presents? Explain.
   (b) List and explain SET requirements.

8. (a) Explain the intrusion detection tool audit records.
   (b) Explain about packet filtering firewalls.

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R9

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS
(Common to CSE, IT and CSS)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
*****

1   What are the contributions and limitations of managerial economics to business managers?

2   What are the factors governing elasticity of demand? Discuss the managerial significance of elasticity of demand.

3   A machine tools factory has a plant capacity of enough hours 9000. Annual fixed charges are of Rs.5,00,000 per year. It can produce two products of B and C. It has three options: make B or make C or make some units of B and some units of C. Look at the following data:

	B	C
Selling price	25,000	40,000
Variable cost (Rs)	10,000	20,000
Demand	25000 units	50000 units
Time taken for production	3 hours	5 hours

What product mix will maximize the net profits of the factory? Calculate the maximum net profit.

4   (a)   What are the causes for the emergence of monopoly?
     (b)   How is the equilibrium position attained by a monopolist under varying cost conditions?

5   (a)   What is a business? Explain its characteristics.
     (b)   Explain factors to be considered for starting a business enterprise.

6   (a)   Explain the factors affecting the requirements of working capital?
     (b)   Determine the capital, and its features.

7   (a)   What is a 'Ledger'? Explain its types and the main advantages of ledger.
     (b)   Explain final accounts and its importance.

8   Define ratio analysis. How is calculate ratio's and explain its importance?

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