

Code: 9A05702

R09

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

- 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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NETWORK MANAGEMENT SYSTEMS

(Common to CSE, IT and CSS)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. Give brief description about communication protocols and standards.
2. Write short notes on:
 - (a) Information model.
 - (b) Communication model.
3. Describe the SNMP network management architecture with the help of a neat diagram.
4. Explain the SNMP get request operation for the MIB (management information base).
5. (a) List out the key features of SNMPv3.
(b) Write short notes on access control.
6. Distinguish between RMON1 and RMON2.
7. Discuss about the XML – based network management in detail.
8. Explain briefly about the fault tolerant network management.

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B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

MOBILE APPLICATION DEVELOPMENT

(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. (a) How J2ME is organized and briefly explain about wireless devices?
(b) Differentiate between wireless technology and microwave technology.
2. Briefly write about Hello world J2ME style and multiple MIDlets in a MIDlet suite?
3. (a) What is automatic data synchronization and concatenate strings?
(b) What is thread group class workaround?
(c) Explain minimize network traffic.
4. (a) Write an instance for the form class and the item class.
(b) Differentiate between high level display and low level display.
5. (a) Explain briefly the concept of sorting single data type in a record enumeration.
(b) Write about searching mixed data type records.
6. (a) Explain in brief about JDBC driver types and JDBC packages.
(b) What is result set? And write a programme for updatable result set.
7. Explain the concept of:
(a) Sub queries.
(b) Views.
8. Explain briefly about hypertext transfer protocol.

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INFORMATION RETRIEVAL SYSTEMS

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write about objectives and functional overview of information retrieval systems.
(b) What is the difference between the concept of digital library and information retrieval systems?
- 2 (a) Discuss the concept of automatic indexing techniques.
(b) Explain the concept of information extraction.
- 3 (a) Explain the concept of porter stemming.
(b) Apply the porter stemming steps to the following words:
 - (i) Irreplaceable
 - (ii) Informative
 - (iii) Activation
 - (iv) Triplicate
- 4 (a) Introduce indexing. Write about automatic term clustering.
(b) How is a thesaurus generated? Explain.
- 5 (a) Explain about PAT data structure.
(b) Explain about N-gram data structure.
- 6 Explain about different measures used in information system evaluation.
- 7 (a) Give a note on statistical indexing.
(b) Explain hypertext linkages.
- 8 (a) Write about information system evaluation.
(b) Explain about TREE results.

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B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

DISTRIBUTED COMPUTING

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. (a) What is a distributed system? Give some examples.
(b) Write notes on request-response protocols.
2. Discuss in detail the distributed objects paradigm.
3. Distinguish among the following:
 - (a) Connection oriented and connection less servers.
 - (b) Literature and concurrent servers.
 - (c) Unicasting and multicasting.
 - (d) Reliable and unreliable multicasting.
4. (a) Give a sample RMI application and explain.
(b) Make a comparison of RMI and socket API.
5. Write notes on the following:
 - (a) CORBA object interface.
 - (b) Object servers and object clients.
 - (c) Java IDL.
6. (a) Explain the anatomy of grid computing.
(b) Discuss about merging the grid services architecture with the web services architecture.
7. (a) Explain the architecture and goal of open grid service architecture.
(b) Discuss open grid services infrastructure in detail.
8. Describe the following regarding globus GT3 toolkit.
 - (a) Architecture.
 - (b) Programming model.

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?
