UNIVERSITY OF MYSORE

DIRECTORATE OF DISTANCE EDUCATION

COURSE: M. Sc IT

SEMESTER: III

ASSIGNMENT TOPICS

C1 ASSIGNMENTS

SUBJECT: WEB TECHNOLOGIES

MARKS:15

Answer any three from the following Questions:

1. Discuss DHCP in detail.
2. What is SMTP? Explain its components and working of SMTP in detail.
3. What is HTML? Discuss the features, basic tags and rules of HTML in detail.
4. Define list and explain different types of lists used in HTML.
5. Discuss in detail about HTML forms and the different types of controls used in forms.

C2 ASSIGNMENTS

SUBJECT: WEB TECHNOLOGIES

MARKS:15

Answer any three from the following Questions:

1. What is CSS? Explain different mechanisms used to apply CSS to HTML pages?
2. Discuss the advantages and disadvantages of JavaScript in detail.
3. Describe the control and loop statements in VB Script in detail.
4. What is XML? Discuss the important features, benefits of XML and differentiate between XML and HTML.
5. What are cookies? Explain the types of cookies.

C1 ASSIGNMENTS

SUBJECT: SOFTWARE ENGINEERING AND TESTING

MARKS:15

Answer any three from the following Questions:

1. Explain waterfall model and prototyping model with a neat diagram.
2. What is SRS? Explain the need of SRS.
3. Discuss Structured programming and its rules.
4. Explain documentation guidelines in detail.
5. Discuss on elements of the requirements model.

C2 ASSIGNMENTS

SUBJECT: SOFTWARE ENGINEERING AND TESTING

MARKS:15

Answer any three from the following Questions:

1. What is Software Quality? Garvin's Quality Dimensions and McCall's Quality Factors.
2. Write short note on:
   a) Unit Testing
   b) Integration Testing
3. Explain the art of debugging.
4. What is Reengineering? Explain Business Process Reengineering
5. Discuss on Software restructuring.

C1 ASSIGNMENTS

SUBJECT: ADVANCED JAVA

Answer any three from the following Questions:

1. What are Exceptions? Explain the types of exceptions with examples in detail.

2. What are the various ways of creating a thread? How can you add synchronization in Java's thread? Illustrate with example.

3. Describe EJB and its types in detail.

4. Write a short note on

   a) throw()

   b) try() and catch()

   c) finally()

5. Mention and explain the types of EJBs. Draw and explain the life cycle of EJB and its various methods.

C2 ASSIGNMENTS

SUBJECT: ADVANCED JAVA

Answer any three from the following Questions:

1. Write a program in JSP to show incorporation of static and dynamic content simultaneously in a webpage.

2. a) What is JSP? Explain how it works with a neat diagram.

   b) Write the advantages of JSP.

3. Discuss the Steps involved in sending email using JavaMail API.

4. Explain SOAP architecture in detail.

5. Describe in detail the protocols used in JavaMail API.

C1 ASSIGNMENTS

SUBJECT: MOBILE COMPUTING AND APPLICATIONS

MARKS:15

Answer any three from the following Questions:

1. Explain the architecture of the Bluetooth technology with a neat diagram?
2. Discuss the different applications of mobile computing?
3. Discuss the different Critical factors that affect the user experience of the mobile user?
4. Explain the advantages and disadvantages of mobile computing
5. List and explain the features offered by SyncML?

C2 ASSIGNMENTS

SUBJECT: MOBILE COMPUTING AND APPLICATIONS

MARKS:15

Answer any three from the following Questions:

1. What is WLAN? Explain the IEEE 802.11 services?
2. Describe the requirements for location management in detail.
3. Explain the applications of satellite systems.
4. Explain Z-MAC Setup Phase.
5. With neat diagram explain GARUDA Framework.

C1 ASSIGNMENTS

SUBJECT: DATA MINING AND WAREHOUSING

MARKS:15

Answer any three from the following Questions:

1. What is datawarehouse? Explain datawarehouse architecture with a neat diagram.
2. Discuss datawarehouse models.
3. Describe OLAP and its types in detail.
4. Explain the types of Data Warehouse Schema with a neat labeled diagram.
5. What are Fact and dimension data? Explain its types.

C2 ASSIGNMENTS

SUBJECT: DATA MINING AND WAREHOUSING

MARKS:15

Answer any three from the following Questions:

1. What is Data Cube? Explain its types and operations.
2. Define data mining and explain its attributes and measurements.
3. Discuss the task of data mining with a neat diagram.
4. Write short note on:
   a) Decision Tree
   b) Entropy
5. What is neural network? Explain genetic algorithm.

C1 ASSIGNMENTS

SUBJECT: SOFTWARE PROJECT MANAGEMENT

MARKS:15

Answer any three from the following Questions:

1. Give an outline of step wise planning activities for a project with neat diagram.
2. Discuss the cash flows techniques in project development.
3. Explain various approaches towards identifying activity.
4. What is forward and backward pass? Explain with neat diagram.
5. What is risk management? Describe risk management identification and its categories.

C2 ASSIGNMENTS

SUBJECT: SOFTWARE PROJECT MANAGEMENT

MARKS:15

Answer any three from the following Questions:

1. What is Software process workflow? Explain its types in detail.
2. Explain software planning guidelines in detail.
3. Discuss Checkpoints of the process.
4. Describe software management Software architecture team and software assessment team.
5. Define motivation. Explain the different models of motivation.

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SANGEETHA R

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