

Q-1

- A. What is Exception Handling? Explain Types of exceptions. (8)

OR

- A. Difference between Checked and Unchecked Exceptions. (8)

- B. What Throw? Explain Throws. (4)

OR

- B. Explain User defined exceptions. (4)

- C. Do As Directed :- (2)

1. What is Frame?

Q-2

- A Explain Life cycle of Applet. (7)

OR

- A. What is Applet class? Explain Applet Coordinates system. (7)

- B. What is AWT class? Explain in brief. (5)

OR

- B. Write code Displaying various shape for polygons. (5)

- C. (2)

- 1 "A linkedlist is a list of elements that is dynamically stored."
True or False?

P. T. O.

E088-2

Q-3

A. What is Nested Try clause? Explain Finally Clause. (8)

B. Concepts of Event Handling. (4)

OR

B. What is TextField events? Explain TextArea events. (4)

C. Give the full form of the following :- (2)

1. What is DSN?

Q-4

A. JDBC API classes? Explain Interface. (6)

OR

A. Explain Invoking Applet. (6)

B. Explain Swing components. Describe any four components. (6)

OR

B. What is JDBC? Architecture of JDBC. (6)

C. Do As Directed :- (2)

1. What is Panels?

Q-5

A. Difference between JFrame and Jwindow. (6)

OR

A. Explain Passing parameters to Applet. (6)

B. Explain Button Event and Checkbox Event. (6)

OR

B. Explain Uncaught exceptions (6)

C. Do As Directed (2)

1. What is Swing class? Explain.

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Candidate's Seat No : _____

B.Sc. (Sem.-VI) Examination

CC 307

Computer Science

April-2017

Time : 3 Hours]

[Max. Marks : 70

Q-1

A. What are the different coding standards? Explain in detail (6)

OR

A. What are the common coding errors? Explain in detail (6)

B. What is software testing? What is the role of software tester? Who should perform the verification test-the software developer or the software user? Justify your answer. (6)

OR

B. Explain different styles of coding in detail (6)

C. State True/False :- (2)

1. Risk management is now recognized as one of the most important project management tasks.
2. Project managers have to assess the risks that may affect a project.

Q-2

A Explain Testing Principles and Guidelines in detail (7)

OR

A. Difference between black-box testing and white-box testing (7)

B. Describe Test Case in detail (5)

OR

B. Write short note on: Estimation Model (5)

C. Do As Directed :- (2)

- 1 Who writes the Software Requirement Specifications Document?
- 2 Who expects cost estimation from SRS document?

Q-3

A. What is COCOMO model? Explain any one type of COCOMO model in detail (7)

B. What is Code Verification? Explain any one technique of it in detail. (5)

OR

B. Why team structure is required? Explain in detail (5)

(P.T.O)

EO59-2

C. Do As Directed :- (2)

1. Efforts is measured in terms of?
2. Alpha and Beta Testing are forms of which type of testing?

Q-4

A. What is Software Project Management? Why it is required? Describe the activities involved in Project Management (7)

OR

A. What do you mean by Quality, Quality Assurance & SQA? Explain the components of SQA (7)

B. Differentiate verification & validation (5)

OR

B. What do you mean by risk? What is software risk? Describe the risk categorization in detail. (5)

C. State True Or False :- (2)

1. Product Risk affects the quality or performance of the software
2. Cost of quality= Prevention Cost + Appraisal Cost + Failure Cost

Q-5

A. What is Risk Management? Explain Risk Assessment in detail (7)

OR

A. What are different levels of testing and the goals of the different levels? (7)

B. Describe Risk Control in detail (5)

OR

B. Explain the importance of SQA. (5)

C. Select the appropriate option: (2)

1. The problem that threatens the success of a project but which has not yet happened is a
 - a) bug
 - b) error
 - c) risk
 - d) failure
 2. The ISO quality assurance standard that applies to software engineering is
 - a) ISO 9000
 - b) ISO 9001
 - c) ISO 9002
 - d) ISO 9003
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