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BMS College of Engineering, Bangalore-560019

(Autonomous Institute, Affiliated to VTU, Belgaum)

MAY/JUNE 2013 Semester End Make Up Examinations

Course: Software Engineering

Course Code: 10CI6GCSWE

Duration : 3 hours

Max Marks: 100

Date:02.07.2013

Instruction: Answer any five full questions, choosing one full question from each unit.

UNIT - 1

1. a. Define software? Describe the essential attributes of good software? 06 Marks
- b. With a neat diagram explain legacy system? 08 marks
- c. Explain requirements engineering process with a neat diagram? 06 Marks

OR

2. a. With a neat diagram explain systems engineering process? 08 Marks
- b. Describe the structure of requirements document as stated by IEEE/ ANSI 830-1998? 06 Marks
- c. Describe the various notations available for writing system requirements? 06 Marks

UNIT - 2

3. a. What is a state machine model? Draw the state machine model for microwave oven. 05 Marks
- b. Explain object aggregation. 05 marks
- c. What is risk in software engineering? Explain the risk management process with diagram. 10 Marks

UNIT - 3

4. a. With a neat Diagram Explain the Function Oriented Pipeline Model of an Invoice Processing System? 08 Marks
- b. What are the Two Types of Event Driven Control Model?With a Neat Diagram Explain the Interrupt Driven control Model? 06 Marks
- c. How are Layered Models are Organized?Explain the Layered Model of a Version Management Systems? 06 Marks

UNIT - 4

5. a. Explain the rapid application development in detail. 10 Marks
- b. With a block diagram, explain the activities of re-engineering process. 10 Marks

OR

6. a. Explain the clean-room development process with a block diagram. 10 Marks
- b. Explain any two system testing approaches. 10 Marks

UNIT - 5

7. Write short notes on 20 Marks
- a. System Engineering Process.
 - b. Risk Management Process.
 - c. Control Styles.
 - d. System Testing.
