

*BE (Sixth Semester)*  
*Computer Science Engineering*  
*Software Engineering - 322614(22)*  
*2014 - Winter Session , Old Scheme*

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*Chapter 1*

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|---|--|----------|
| 1 | What is software engineering.                                  | <b>2</b> |
| 2 | Explain waterfall model with its advantages and disadvantages. | <b>7</b> |
| 3 | What is SRS? Write down the characteristics of SRS.            | <b>7</b> |
| 4 | Describe system engineering hierarchy.                         | <b>7</b> |

*Chapter 2*

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|---|---|----------|
| 1 | What is functional and non-functional requirement.                      | <b>2</b> |
| 2 | What is software prototyping ? Explain prototyping in software process. | <b>7</b> |
| 3 | Explain functional and behavioral model.                                | <b>7</b> |
| 4 | Describe requirement engineering process.                               | <b>7</b> |

*Chapter 3*

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|---|---|----------|
| 1 | What is data dictionary.                                      | <b>2</b> |
| 2 | What is software design? Explain design objectives in detail. | <b>7</b> |
| 3 | Explain cohesion with its type.                               | <b>7</b> |
| 4 | Explain with neat diagram design model.                       | <b>7</b> |

## *Chapter 4*

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|---|--|---|
| 1 | What is debugging?                                     | 2 |
| 2 | Differentiate between black box and white box testing. | 7 |
| 3 | Explain levels of testing                              | 7 |
| 4 | Describe software testing strategies.                  | 7 |

## *Chapter 5*

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|---|---|---|
| 1 | What is software complexity?                                      | 2 |
| 2 | Describe COCOMO model in detail.                                  | 7 |
| 3 | Explain Taxonomy of CASE tools.                                   | 7 |
| 4 | Write short notes on:<br>(i) Cost estimation<br>(ii) Size measure | 7 |

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