

Code: 9A05502

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2017

**SOFTWARE ENGINEERING**

(Electronics and Computer Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 What is Legacy software? What types of changes are made to Legacy systems?
- 2 Discuss about:
  - (a) Water fall model.
  - (b) Incremental model.
- 3 Explain the Data flow diagram of an Insulin pump.
- 4 Write in detail about architectural patterns. Explain with an example.
- 5
  - (a) Explain about component adaptation.
  - (b) Elaborate the design of a component with example.
- 6
  - (a) Explain about goal oriented software development.
  - (b) Discuss about strategic approach for software testing.
- 7
  - (a) Write short notes on: (i) Function oriented metrics. (ii) Size oriented metrics.
  - (b) Explain about different categories of risk.
- 8
  - (a) Explain about ISO 9000 Quality standards.
  - (b) Discuss about six sigma for Software Engineering

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