

Code: 9F00304

MCA III Semester Regular & Supplementary Examinations November/December 2017

SOFTWARE ENGINEERING

(For 2012, 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain software doesn't "wear out and legacy software.
(b) Elaborate the general principles in software engineering.
- 2 (a) Define a framework activity with its structure.
(b) List out prescriptive process models and elaborate spiral model with a neat figure.
- 3 (a) Write guidelines of collaborative requirements gathering.
(b) Explain requirements modeling approaches.
(c) What are input and output for domain analysis?
- 4 (a) Explain about translating the requirements model into the design model.
(b) Write about dimensions of the design model.
- 5 (a) Explain briefly about principles of place the user in control.
(b) Describe the pattern-based design in context.
- 6 (a) Explain alpha and beta testing.
(b) Explain bottom-up integration.
(c) Explain briefly about Debugging strategies.
- 7 (a) Explain flow graph notation.
(b) Define boundary value analysis and list out guidelines.
(c) Explain tests derived from behavior models.
- 8 (a) Explain function-based metrics.
(b) Elaborate software reengineering activities.
