

MCA (Revised)
Term-End Examination
December, 2016

05085

MCS-034 : SOFTWARE ENGINEERING

Time : 3 hours

Maximum Marks : 100

(Weightage 75%)

Note : *Question no. 1 is compulsory. Attempt any three questions from the rest.*

1. (a) How can spiral life cycle model help to improve the software development process when compared to the waterfall life cycle model ? Explain. 10

- (b) Elaborate the rules for human computer interface design. 10

- (c) Explain black-box testing with an example. 10

- (d) What are the different techniques for Requirements Gathering ? 10

2. (a) Write a short note on software prototyping. 10
- (b) Define debugging. Explain the characteristics of bugs in detail. 10
3. (a) What are the activities that are performed as part of "Design" phase of process of software development? 10
- (b) List and explain the features to be considered for function point analysis. 10
4. (a) What is a risk? Explain different types of software risks. 10
- (b) Briefly explain any two techniques of scheduling in software engineering. 10
5. (a) What is a software review? Explain. 10
- (b) Explain the concept of cleanroom software engineering. 10
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