

MCA (Revised)
Term-End Examination
June, 2021

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) Define the term "Risk". Explain the different phases of risk management. 10
- (b) Explain the role of various CASE tools helping in the effective management of teams and projects. 10
- (c) Explain all rules of Human Computer Interface design. 10
- (d) Explain various steps involved in debugging. 10

2. (a) What are the differences between Black Box Testing and White Box Testing ? Explain with example. 10

- (b) What is a Task Set ? Explain the factors that affect the task set of a project. 10
- 3.** (a) How are J2ME applications tested ? What are its important features ? 10
- (b) Explain the following : 10
- (i) Work Breakdown Structure
- (ii) Flow Graph
- 4.** (a) Write a detailed note on Control Flow Graphs. Give an example. 10
- (b) Explain the process of Software Configuration Management (SCM) in detail. 10
- 5.** (a) Describe Putnam's model of cost estimation for software development. 10
- (b) Explain the Software Re-engineering life cycle with the help of a suitable illustrative project. 10
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