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**MCS-034**

**MASTER OF COMPUTER  
APPLICATIONS (MCA) (REVISED)**

**Term-End Examination**

**June, 2024**

**MCS-034 : SOFTWARE ENGINEERING**

*Time : 3 Hours*

*Maximum Marks : 100*

*Weightage : 75%*

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**Note :** (i) *Question No. 1 is compulsory.*

(ii) *Attempt any **three** questions from the rest.*

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1. (a) Explain various issues with management of web based projects. 10
- (b) Explain various phases of Waterfall model in detail. 10
- (c) What are CASE tools ? Briefly explain the characteristics of successful CASE tools. 10
- (d) Briefly, discuss about risk management in Software projects. 10
2. (a) Explain COCOMO model in detail. 10

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- (b) Explain Software Configuration Management with the help of a diagram. 10
3. (a) With the help of a diagram, explain the process of Software Re-engineering. 10
- (b) Explain metrics and process metrics with the help of a suitable example. 10
4. (a) How is Software development for mobile devices different from PC'r ? 10
- (b) Write a short notes on Cyclomatic Complexity. 10
5. (a) Explain the process of component based Software Engineering. 10
- (b) Define Cohesion and Coupling. Explain various types in each of them. 10