MCS-213

MASTER OF COMPUTER APPLICATIONS (MCA-NEW)

Term-End Examination

December, 2022

MCS-213 : SOFTWARE ENGINEERING

Time : 3 hours   *Maximum Marks : 100*

(Weightage : 70%)

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

1. (a) What are the different methods used for estimating cost and efforts required for completing a project successfully ? Explain any one of the methods. *10*

   (b) Explain McCall's Quality factors. *10*

   (c) Explain various steps involved in Debugging. *10*

   (d) Briefly explain the process of Software Configuration Management. *10*

2. (a) Write a short note on "Human Computer Interface (HCI)". *10*

(b) Develop SRS for a "Hospital Management System." Make necessary assumptions. *10*

3. (a) What is Alpha Testing ? How does it differ from Beta Testing ? *10*

(b) Define the term "Risk". Explain different phases of Risk Management. *10*

4. (a) Explain any two methods for scheduling of Software Projects. *10*

(b) What is meant by "Boundary Value Analysis" ? Explain with the help of an example. *10*

5. (a) Draw the first 3 levels of DFDs for a "Student Information System". Make necessary assumptions. *10*

(b) Write a short note on Software Re-engineering. *10*

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