**MCS-213**

# MASTER OF COMPUTER APPLICATIONS

## (MCA) (NEW)

### Term-End Examination

### December, 2021

**MCS-213 : SOFTWARE ENGINEERING**

*Time : 3 Hours*      *Maximum Marks : 100*

*Weightage : 70%*

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

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

1. (a) Define "Software Review". What are its types ? Explain them. 10

   (b) What is Data Dictionary ? Explain with an example. 10

   (c) List and explain various phases of Waterfall model. 10

   (d) What is meant by "Functional Requirements" ? How are they different from "Non-functional Requirements" ? Give examples for them. 10

2. (a) What is Black Box Testing ? How does it differ from White Box Testing ? 10

   (b) Explain various sections of SRS with an example. 10

3. (a) What are the steps involved in Software Project Estimation ? Explain. 10

   (b) What is Coupling ? Explain various types of Coupling. 10

4. (a) Draw the first three levels of DFDs for a "Library Information System." Make necessary assumptions. 10

   (b) Explain COCOMO model in detail. 10

5. (a) Explain any *one* of the Risk Management Techniques. 10

   (b) Explain any *five* techniques for Requirement Gathering. 10

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