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**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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