11. What are the levels of testing ? Explain the black box testing and white box testing.

12. Explain CMM (Capability Maturity Model) with its level.

13. What do you mean by cohesion and coupling ? Discuss about its different types.



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# MSCCS-09/MSCCS-203/ MCA-203

## June – Examination 2020

## MSCCS (Final)/MCA (IInd Year) Examination

### Software Engineering

### Paper : MSCCS-09/MSCCS-203/MCA-203

*Time : **3** Hours* ] [ *Maximum Marks : **80***

***Note*** :– The question paper is divided into three Sections A, B and C. Write answers as per the given instructions.

**Section–A** **8×2=16**

**(Very Short Answer Type Questions)**

***Note*** :– Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto **30** words. Each question carries 2 marks.

1. (i) What is Software ?

   (ii) Define data dictionary.

   (iii) Write full form of RMMM.

   (iv) What is Modularity ?

   (v) What is project milestone ?

   (vi) Differentiate between fault and failure.

   (vii) Write the name of all stages of SDLC.

   (viii) List any *two* functions of project planning.

**Section–B** **4×8=32**

**(Short Answer Type Questions)**

***Note*** :– Answer any *four* questions. Answer should not exceed **200** words. Each question carries 8 marks.

2. Explain the COCOMO model in detail.

3. What is RAD process model ? Explain when do we need RAD process model.

4. Explain the need and characteristics of a good SRS.



5. What are the advantages and disadvantages of incremental model ?

6. What is software verification and validation ?

7. What is spiral model ? Give the merits and demerits of spiral model.

8. Write a short note on CASE tool.

9. What is the difference between functional oriented design and object oriented design ?

**Section–C** **2×16=32**

**(Long Answer Type Questions)**

***Note*** :– Answer any *two* questions. You have to delimit your each answer maximum upto **500** words. Each question carries 16 marks.

10. What is the importance of a project scheduling in software engineering ? Also write the factors that affects the project scheduling.