

MSCCS-09/MSCCS-203/MCA-203

June - Examination 2017

**MSCCS-Final/MCA-2nd Year Examination
Software Engineering****Paper - MSCCS-09/MSCCS-203/MCA-203****Time : 3 Hours]****[Max. Marks :- 100**

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

Section - A**10 × 2 = 20**

(Very Short Answer 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 Data Dictionary?
- (ii) Give the difference between Alpha and Beta Testing.
- (iii) List the aims of Software Engineering.
- (iv) What is project milestone?
- (v) Name some software design tools.
- (vi) Differentiate fault and failure.
- (vii) What are the attributes of a good design?

- (viii) Write the general formula of the basic COCOMO model used to estimate development effort.
- (ix) Write all the stages of SDLC.
- (x) What is the need for user interface specification?

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Why quality assurance is necessary? Compare verification and validation.
- 3) What is spiral model? Give merits and demerits of this model.
- 4) What is SRS? Discuss the characteristics of a good SRS documents.
- 5) Briefly explain the uses of UML (Unified Modeling Language).
- 6) Why we really need metrics in software? Discuss various categories of software metrics.
- 7) Why Regression Testing is necessary for sophisticated project? Discuss with example.
- 8) Explain Rapid Application Development (RAD) with its advantages and disadvantages.
- 9) Write short note on CASE tool.

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) What do you mean by coupling and cohesion? Discuss about its different types.
- 11) Write short note on:
 - (i) Feasibility study
 - (ii) System S.
- 12) Differentiate between:
 - (i) White Box Testing and Black Box Testing
 - (ii) Function oriented Design and Object oriented Design
- 13) Explain CMM (Capability Maturity Model) with its levels.
