

MSCCS-09
June - Examination 2016
MSCCS (Final) Examination
Software Engineering
Paper - MSCCS-09

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) Explain cohesion.
- (ii) Name various test used in software development.
- (iii) Define spiral model.
- (iv) Define waterfall model.
- (v) Give objective of software design.
- (vi) What is DFD?
- (vii) Define debugging.
- (viii) What is RAD?

- (ix) Describe software process model.
- (x) What is prototyping?

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) Explain software quality matrices and project scheduling.
- 3) Explain flow based and data based analysis.
- 4) Write down major principles of software engineering.
- 5) What is software project cost estimation.
- 6) Explain component testing and system testing.
- 7) Give disadvantages of convention waterfall model.
- 8) Give difference between verification and validation.
- 9) Explain behavioural model in detail.

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) Explain risk management. Give stages of risk management.
- 11) Discuss various issues of user interface design.
- 12) Explain fault, failure, error, debugging.
- 13) Explain E-R model and prototyping model.