BCA-08

December - Examination 2016

BCA Pt. II Examination

Software Engineering

Paper - BCA-08

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 $10 \times 2 = 20$

(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) Define software engineering.

   (ii) Write full form of COCOMO.

   (iii) What is RAD?

   (iv) Define DFD.

   (v) What do you understand by attribute in E-R diagram?

   (vi) Define coupling.

   (vii) Give meaning of software validation.

(viii) Define SRS.

(ix) What is software quality?

(x) Define software process.

Section - B $4 \times 10 = 40$
(Short Answer Questions)

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

2) Describe requirement engineering process.

3) Explain cardinality and modality.

4) What is white box testing? Explain.

5) Differentiate between functional and non-functional requirements.

6) What is CASE? Write need of CASE tools.

7) Give advantages of software re-engineering.

8) Differentiate between process and product.

9) Describe size-oriented metrics and function-oriented metrics.

Section - C $2 \times 20 = 40$

(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 water–fall model. What are its advantages and disadvantages?

11) What is objective of testing? Explain different types of testing.

12) Compare various software process models.

13) What do you understand by structured analysis? Discuss various tools of structured analysis.

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