

**BCA-08**  
June - Examination 2018  
**BCA Pt. II Examination**  
**Software Engineering**  
**Paper - BCA-08**

**Time : 3 Hours ]**

**[ Max. Marks :- 100**

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**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 are the various phases in SDLC.
- (ii) What is Software Risks?
- (iii) What do you mean by Data Dictionary?
- (iv) What are the software testing principles?
- (v) What is unit testing?
- (vi) What is a 'CASE' tool?
- (vii) What is software crisis?
- (viii) What is software project management?

- (ix) What is project estimation?
- (x) What is SRS?

**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) What are the various elements of data design? Explain.
- 3) List the different elements of analysis model?
- 4) What are the various testing activities? Explain.
- 5) Discuss about Interface design and Modular design.
- 6) What is Spiral Model? What is the drawback of Spiral Model?
- 7) What do you mean by software quality assurance?
- 8) Discuss about software project metrics.
- 9) Discuss about the Layered Technology.

**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) Discuss about functional modeling and behavioral modeling.
- 11) Explain Computer Aided Software Engineering (CASE).
- 12) Explain the strategies approach to software testing issues.
- 13) Discuss software maintenance cost.