

S.No. : 380

BCA 2404

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 21119

Roll
No.

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BCA. Examination 2018-2019

(Even Semester)

SOFTWARE ENGINEERING

Time : Three Hours]

[Maximum Marks :60

Note :- Attempt all questions.

SECTION – A

1. Attempt all parts of the following : 8 × 1 = 8
- What are the conditions when software is considered failed?
 - Define software process.
 - Name the life cycle model known as 'Define before design.
 - Define Feasibility Study.
 - What is Cohesion?

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- (f) What do you mean by DFD?
- (g) What is Bug?
- (h) What is Testing?

SECTION – B

2. Attempt any two parts from each question. $2 \times 6 = 12$
- (a) Differentiate between Basic COCOMO model and Intermediate COCOMO model.
 - (b) Define test suit or test plan in software testing.
 - (c) Explain what is wrong with the notation that software engineering is too time consuming and interferes with programmer productivity.
 - (d) Discuss the Iterative water fall model.

SECTION – C

- Note:-** Attempt all questions from this question :
3. Attempt any two parts from each question. $5 \times 8 = 40$
- (a) Discuss the different type of cohesion in Software Engineering.
 - (b) 'Software is an evolutionary entity.' Elaborate this statement.

- (c) Discuss the major area of applications of software.
4. Attempt any two parts from each question.
- (a) Why has software become so much important in modern days desktop computing?
 - (b) Without developing an SRS document an organization might face severe problems. Identify those problems.
 - (c) Identify atleast two salient features of a functional oriented design approach.
5. Attempt any two parts from each question.
- (a) Describe the various strategies of design. Which design strategy is most popular and practical?
 - (b) List the shortcoming of LOC for use as a software size metric.
 - (c) 'Testing is the process of executing a program with the intent of finding errors.' Comment on this statement.
6. Attempt any two parts from each question.
- (a) What is Black Box Testing? Explain the types of errors that can be discover using white box testing.

- (b) Describe the concept of module weakness. Is it applicable to program also?
- (c) Should a development organization adopt a single process model for all its software development? Discuss the pros and cons.

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