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BCADS1303

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

PAPER ID : 15811 Roll No.

BCA Examination 2023-24

(Odd Semester)

SOFTWARE ENGINEERING

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : $1 \times 8 = 8$

   (a) Define the term software.

   (b) What is software crisis?

   (c) Howmany stages are there in SDLC?

   (d) What is the full form of SRS?

   (e) Howmany types of cohesion in software design?

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(f) What do you mean by good software design?

(g) What is code walk through?

(h) Howmany types of software quality assurance?

SECTION – B

2. Attempt any two parts of the following: 2×6=12

(a) Explain the water fall model with the help of diagram.

(b) What are the different characterstics of software requirement specification (SRS)?

(c) What is object oriented design? Explain in detail.

(d) Explain any two types of testing techniques used in system testing.

SECTION – C

Note:- Attempt any two parts from each question. Each part carry equal marks. 8×6=48

3. (a) Explain system development life cycle model (SDLC).

(b) What are the different types of software and also explain the different charactersitics of software?

(c) What is system? What are the different elements of system?

4. (a) Explain data flow diagram with the help of example?

(b) What is COCOMO model? Explain in detail.

(c) What is entity relationship diagram? Explain with the help of example.

5. (a) Explain modularization. Also explain the top-down and bottom-up design approach in modularisation.

(b) What are the software metrices and measurements? Explain.

(c) What is coupling and also explain the different types of coupling in software design?

6. (a) What is software maintenance? Explain the different types of software maintenance.

(b) Write a soft notes on :

(i) Code inspection

(ii) Software quality factors

(c) What are the different levels of software quality assurance? Explain.

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