　　　　BCA(V) — 502

2019

Time : 3 hours

Full Marks : 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer five questions in which
Q. No. 1 is compulsory.

1. Choose the correct alternative of the following :

   (a) _____ focuses on functional requirement of the software.

     (i) Red-Box Testing

     (ii) Back-Box Testing

     (iii) Glass-Box Testing

     (iv) None of these

   (b) _____ refers to the set of activities that ensure that software correctly implement a specific function.

     (i) Conversion

　　　　　　　　　　　　(Turn over)

(ii) Validation

(iii) Correction

(iv) Verification

(c) _____ integration testing begins construction and testing with atmoic modulus.

(i) Top down

(ii) Bottom up

(iii) Up-down

(iv) Top-up

(d) A poject involves a temporary assemblage of _____ brought together to solve a specific program.

(i) Data

(ii) Material

(iii) Files

(iv) Resources

(e) Software Engineering :

(i) A set of rules about developing software products

WC – 7/1

(ii) Has been around as a discipline since the early 50's

(iii) Started as a response to the so-called software crisis of the late 90's

(iv) Is an engineering discipline concerned with all aspected of software production

(f) Who write Software Requirement Specification Document (SRS) ?

(i) System Developer

(ii) System Tester

(iii) System Analyst

(iv) None of these

(g) The detailed study of existing system is referred to as :

(i) System Planning

(ii) System Analysis

(iii) Feasibility study

(iv) Designing DFD

(h) In which steps of SDLC project termination could be done ?

(i) Design Phase

    (ii) System Maintence phase

    (iii) Feasibility study phase

    (iv) Coding phase

2. Explain the life cycle of Software Engineering. Also explain the advantages of software engineering.

3. What are the measurements of Quality ? Explain quality requirement in different application area.

4. What do you mean by software standards ? Explain the role of software engineering in system design.

5. Explain Project Planning and Project C ontrol. Explain goal and requirement of verification.

6. What is test driven development ? State the benefits of test driven developments. Explain the six stages of acceptance testing process.

3600

7. What is requirement specification ? Explain various ways of writing system requirements. Explain the different checks to be carried out during requirement validation process.

8. Explain software pricing. List and briefly explain the factors affecting software pricing. List various cost estimation models.

9. Write short notes on any **four** the following :

   (a) Rational Unified Process(RUP)

   (b) Incremental Development Models

   (c) Behavioral Models

   (d) Software Verification and Validation

   (e) CASE Tools

   (f) Various Management Risk in Software Engineering

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