

2022

Time : 3 hours

Full Marks : 70

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

The figures in the margin indicate full marks.

Answer all sections as directed.

Section-A

Objective type Questions

1. Choose the correct alternative for each of the following questions : 2×10=20

(a) _____ a Software development activity

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(1)

(Turn over)

Wanted

that is not a part of Software processes :

- (i) Validation
 - (ii) Specification
 - (iii) Development
 - (iv) Dependence
- (b) CASE stands for :
- (i) Computer Aided Software Engineering
 - (ii) Control Aided Science and Engineering
 - (iii) Cost Aided System Experiment
 - (iv) None of the mentioned
- (c) Why do bugs and failures occurs in Software ?
- (i) Because of Developer
 - (ii) Because of Companies

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(2)

Contd.

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(iii) Because of both companies and Developers

(iv) None of the mentioned.

(d) What does 'SDLC stands for :

- (i) System Design Life Cycle
- (ii) Software Design Life Cycle
- (iii) Software Development Life cycle
- (iv) System Development Life cycle

(e) Who proposed the Spiral model ?

(i) Barry Boehm

(ii) Pressman

(iii) Royce

(iv) IBM

(f) What is the full form of the "COCOMO" model ?

(i) Cost Constructive estimation Model

(3)

(Turn over)



- (ii) Constructive cost estimation Model
 - (iii) Constuctive case Estimation Model
 - ~~(iv) Constructive Cost Estimation Model~~
- (g) Software is defined as :
- ~~(i) Set of program, documentation & configuration of data~~
 - (ii) Set of program
 - (iii) Documentation and configuration of data
 - (iv) None of these
- (h) What are the features of Software Code ?
- (i) Simplicity
 - (ii) Accessibility
 - ~~(iii) Modularity~~
 - ~~(iv) All of the above~~
- (i) Attributes of good software is _____

- (i) Development
 - ~~(ii) Maintainability & functionality~~
 - (iii) Functionality
 - (iv) Maintainability
- (j) What is Software Engineering ?
- (i) Designing a Software
 - (ii) Testing of software
 - ~~(iii) Application of engineering principles to the design a Software~~
 - (iv) None of the above

Section-B

Short Answer type Questions

Answer any **four** questions of the following :

4×5=20

- 4 (2) Define Software Engineering. Why is Software engineering required ?

3. What is Software? Explain the characteristics of Software.
4. Explain the parts of layered technology in software engineering.
5. Explain software process framework activities.
6. What is Umbrella activities Motion five Umbrella activities in software engineering.
7. What is project scheduling?
8. What are the phases of SDLC?

Section-C

Long Answer type Questions

Answer any two questions of the following :

15×2=30

9. Explain waterfall model.

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(6)

Contd.

10. Explain characteristics and components of SRS.

11. Define Quality Assurance. Explain the activities of software Quality Assurance.

12. Define Risk. Explain the risk management activities.

— x —

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(7)

(P-300)

