

P-843

Total Pages : 3

Roll No.

BCA-15

Software Engineering

Bachelor of Computer Science (BCA)

5th Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. List the differences between spiral model and waterfall model. Which one of them will you prefer to develop a hospital management system and why?

2. What are the various parameters which define the quality of software? How it can be measured?
3. What are the skills required to collect, analyze and record software requirements? What do you mean by statement of system scope ?
4. What are the characteristics of good design? Discuss various phases of design process? How design evaluation is performed?
5. What is Software testing? Explain the followings :
 - (a) Unit Testing and Integration Testing.
 - (b) White Box Testing and Black Box Testing.

SECTION-B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. What is the need of Software Engineering? Explain.
2. Explain the following terms :
 - (a) Data Flow Diagrams (DFD).
 - (b) Stress Testing.

3. Explain modern software development practices.
 4. What is Data Dictionary?
 5. What is E-R Diagram? Explain with help of example.
 6. What is the difference between storage testing and performance testing?
 7. What do you understand by Decision Tree and Decision Table?
 8. What is Structured System Design?
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