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BCA–15

Bachelor of Computer Application B.C.A. Vth Semester Examination Dec., 2023

SOFTWARE ENGINEERING

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 there in. ***Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

Section–A

Long Answer Type Questions   2×19=38

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.

1. What is feasibility study ? What are the contents we should contain in the feasibility report ?

2. What are attributes of good software ? Explain key challenges faced in software engineering.

3. With neat diagram explain waterfall development model of software development process.

4. Explain the role of system analyst.

5. What is software engineering ? What is the need of software engineering ? Explain the characteristics of software.

Section–B

Short Answer Type Questions   4×8=32

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.

1. Explain the concept of coupling and Cohesion in software design. Discuss the ideal requirement of Cohesion and coupling for a good software design.

2. What is data dictionary ? What are the advantages of data dictionary ?

3. Explain the difference between black-box testing and white-box testing.

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4. What do you mean by system testing ? Explain any *two* system testing.

5. It it possible to estimate software size before coding ? Justify your answer with suitable example.

6. Compare development testing with regression testing.

7. How does 'Project Risk' factor affect the spiral model of software development ?

8. What is the difference between SRS document and design document ? What are the contents of both the documents ?

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