

A-810

Total Pages : 3

Roll No.

BCA-15

Bachelor of Computer Application (BCA)

(Software Engineering)

5th Semester Examination, 2024 (June)

Time : 2:00 Hrs.

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 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 are the characteristics to be considered for the selection of life cycle model ? Explain clearly.
2. Explain different types of coupling in detail.
3. Describe in detail the complete software maintenance process.
4. What is Data Flow Diagram ? Explain the components of Data Flow Diagram.
5. What is Waterfall Model ? Explain. What are the advantages and disadvantages of waterfall model.

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. What is System Specification ? Describe software requirement specification.
2. What is System Design ? Explain process oriented design.
3. Compare development testing with regression testing.
4. Discuss about the design documentation standards.

5. What is E-R Diagram ? Draw an E-R diagram for college management system.
6. Describe the role of system analyst.
7. What is Software Analysis ? Describe the object oriented analysis.
8. What are the differences between software design and project planning ? Explain it.
