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(20525)
BCA-IV Sem.

(Printed Pages 3)
Roll No.

18018

B.C.A. Examination, May-2025

SOFTWARE ENGINEERING

(BCA-403)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt questions from **all** sections as per instructions.

Section-A

(Very Short Answer Type Questions)

Note : This section contains **five** questions; all questions will be **compulsory**. There will be no internal choice. Each question carries **3** marks. $5 \times 3 = 15$

1. Define software paradigm with an example.
2. Define system scope in software requirements.

3. What is meant by data design in software engineering?
4. Define code readability and its importance.
5. Explain corrective and adaptive maintenance.

Section-B

(Short Answer Type Questions)

Note : Attempt any **two** questions out of the following **three** questions. Each question carries **7.5** marks.

$2 \times 7.5 = 15$

6. Explain the generic view of software engineering.
7. What is a software blueprint? Explain with an example.
8. What are the major implementation issues in software development?

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Section-C

(Detailed Answer Type Questions)

Note : Attempt any **three** questions out of the following **five** questions. Each question carries **15** marks. Answer is required in detail. $3 \times 15 = 45$

9. Explain the different software development paradigms in detail.
10. What are the different testing techniques? Explain in detail.
11. Explain the role of software implementation and its challenges.
12. What are the different types of software maintenance? Explain in detail.
13. Explain the relationship between software design, implementation, and maintenance.

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