

AT-447

B.C.A. (Part-III) Semester—V Examination
SOFTWARE ENGINEERING
Paper—5ST3

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) Assume suitable data wherever necessary.

(2) Illustrate your answers wherever necessary with the help of neat sketches.

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| 1. | (A) Define software and explain the various applications of software. | 8 |
| | (B) Give the drawbacks of waterfall model. | 4 |

OR

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| 2. | (A) Explain the terms :
(i) System specification
(ii) Requirement analysis. |

6 |
| | (B) How will you determine the scope of software ? Explain. | 6 |
| 3. | (A) Write down the steps included in project plan. | 5 |
| | (B) What is Risk ? How can it be measured ? Explain. | 7 |

OR

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| 4. | (A) State and explain the approaches for cost estimation of software. | 6 |
| | (B) Explain LOC based estimation technique with example. | 6 |
| 5. | (A) Explain following terms :
(i) Abstraction
(ii) Problem partitioning. |

6 |
| | (B) Explain the symbols used for ER modelling. | 6 |

OR

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| 6. | (A) Explain the constraints in software design. | 8 |
| | (B) Explain Bottom-Up strategies. | 4 |
| 7. | What do you mean by mix language programming ? Explain with example. | 12 |

OR

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| 8. | (A) What is OO programming ? Explain with its advantages. | 6 |
| | (B) Explain the term software reuse and system documentation. | 6 |
| 9. | (A) What is software quality assurance and quality control and compare it also ? | 10 |
| | (B) What is V and V planning ? Explain in brief. | 2 |

OR

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| 10. | (A) Explain ISO in software quality concept. | 6 |
| | (B) Give the steps of SQA plan. | 6 |