

Roll No.

982

Printed Pages:

BCA / D-12
STRUCTURED SYSTEM ANALYSIS AND DESIGN
Paper-BCA-235

Time allowed: 3 hours

Maximum marks: 80

Note: Attempt **five** questions in all, selecting **one** question from each section.
All questions carry equal marks.

1. Compulsory question

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|----------------------------|------------------|
| (a) Element of a system | 3 ^{1/2} |
| (b) Decision tree | 3 ^{1/2} |
| (c) Physical System design | 3 ^{1/2} |
| (d) Black box testing | 3 ^{1/2} |
| (e) Output form design | 4 |

Section –A

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| 2. (a) What is a system? Explain various types of system. | 9 |
| (b) What is the role of a system analyst in system design? Explain | 9 |
| 3. Explain system development life cycle in detail. | 18 |

Section-B

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| 4. What is feasibility study? Explain various types of feasibility. | 18 |
| 5. Write short note on the following: | |
| (a) Data flow diagram | |
| (b) Decision table | |
| (c) Gantt chart | 18 |

Section-C

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| 6. What is cost benefit Analysis of a system? How it is performed on a system, Explain | 18 |
| 7. Explain the following: | |
| (a) Objectives of data base design | |
| (b) Indexed Sequential file Organization | 18 |

Section-D

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| 8. Define software quality and explain how quality assurance is performed in software System. | 18 |
| 9. Write short note on the following: | |
| (a) Software Maintenance Activities | |
| (b) Software testing Techniques | 18 |