

SYSTEM ANALYSIS AND DESIGN**BC-202(N2)**

Paper ID- B0206

Time Allowed: 03 Hrs**M. Marks: 60**

Note: Attempt all questions from Section–A and any four questions from Sections-B.

Section A

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| Q1 (a) | What are open and closed system? Give examples. | 2 |
| (b) | What are principles of structured analysis? | 2 |
| (c) | What is SRS? Explain its role in system development. | 2 |
| (d) | Explain system implementation process. | 2 |
| (e) | Explain how master file is different from transaction file. | 2 |
| (f) | What are different types of software maintenance? Explain. | 2 |
| (g) | What is white box testing? | 2 |
| (h) | Explain the concept of decision tree by taking suitable example. | 2 |
| (i) | What is deterministic system? Explain with example. | 2 |
| (j) | List various data collecting tools. | 2 |

Section B

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| 2 | What is DFD? Explain the role of DFD in system development. Draw 0 th level and 1 st level DFD for Banking System. | 10 |
| 3 | Define system? Explain various components and characteristics of system. | 10 |
| 4 | Write note on the following:- <ul style="list-style-type: none">• Data Dictionary.• Decision Table | 10 |
| 5 | What is system analysis? Explain the role of feasibility study in system analysis. Also discuss various types of feasibility. | 10 |
| 6 | Explain why system testing is required. Explain the concept of test oracles, test cases and test criteria in system testing by taking suitable examples. | 10 |
| 7 | What is system design? Discuss the process and stages of system design. Also explain various design principles. | 10 |