

Sub: Structured System Analysis & Design
(BCA243-18/BCA243-20/BCA23-203/BSC24-203/BCA-CS243-20/BCAC23-203/BSCC24-203)

Time: 10.00 am To 12.30 pm

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

(05)

- (05)**

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4. First normal form eliminates transitive dependencies.
5. User interface design for a system mainly focuses on input design only.

Q.3. Answer the following. (Solve any 5) (10)

1. List out the interpersonal skills required by system analyst.
2. What is the use of test plan ?
3. What is normalization ?
4. What is FDD ?
5. What are the benefits of MIS ?
6. State the difference between natural system and artificial system.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain in detail symbols of E-R diagram.
2. What are the steps for designing interfaces ?
3. What are the advantages of normalization ?
4. State the difference between structured and un structured interview.
5. Explain spiral model.
6. Explain validation checks applied to data related to input design.
7. Explain 1. Strategic information 2. Tactical information 3. Statutory information

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain in detail -
 1. Characteristics of system
 2. Elements of the system
 2. Explain types of testing. (any 5)
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