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Total No. of Pages: 02

Total No. of Questions: 07

BCA (Sem. – 3)
SYSTEM ANALYSIS & DESIGN

Subject Code: BSBC-301

M Code: 10057

Date of Examination: 12-12-2022

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION A

1. Answer the following:

- a) Define boundary and interface.
- b) What is a physical and abstract system?
- c) Define regression testing.
- d) What is the need of debugging?
- e) What are the different types of feasibility studies?
- f) What is the need of post implementation maintenance?
- g) What is validation testing?
- h) What are the basic principles of successful systems?
- i) List various rules for constructing a DFD.
- j) List various information gathering tools.

SECTION B

2. Define system. What are its characteristics? Write and explain the functioning of each element of the system.
3. Write and explain the different phases of SDLC by taking a suitable example.

4. Explain the following:
 - a) Role of system analyst
 - b) File design and its need
5. Define testing. What are its objectives? Explain the differences between unit and system testing.
6. What is system maintenance? What is its need? Explain different types of system maintenance and their significance.
7. Write notes on the following:
 - a) System implementation
 - b) Design documentation

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.