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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech.(IT) (2012 to 2017) (Sem.-5)**  
**SYSTEM ANALYSIS AND DESIGN**  
Subject Code : BTIT-501  
M.Code : 70594

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 **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****Write briefly :**

- 1) Automated System
- 2) System Analyst
- 3) Quality Control
- 4) System Testing
- 5) Disaster Recovery
- 6) User Interface
- 7) HIPO vs IPO
- 8) Dynamic Modeling
- 9) Static Design
- 10) Coupling vs Cohesion

### SECTION-B

- 11) Write a note on CASE Tools.
- 12) What is system testing? Explain.
- 13) Differentiate between DFD and Decision Trees.
- 14) Describe Object Oriented Analysis.
- 15) Why we uses Normalization?

### SECTION-C

- 16) Differentiate between threat and risk analysis in information system.
- 17) Explain various sources of information gathering.
- 18) Define Data Dictionary. How it is important in structured analysis?

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