

Roll No.

Total No. of Pages : 2

Total No. of Questions : 07

B.Sc. (IT) (Sem.-3rd)
SYSTEM ANALYSIS & DESIGN
Subject Code : BS-207
Paper ID : [B0412]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any **FOUR** questions.

SECTION-A

1. **Write short notes on :** www.a2zpapers.com

- (a) Open System.
- (b) Bottom up approach.
- (c) Distributed System.
- (d) Coupling.
- (e) Dynamic Modelling.
- (f) Data Dictionary.
- (g) ER-Model.
- (h) Re-engineering.
- (i) CASE Tool.
- (j) System Analysis.

SECTION-B

2. (a) Explain the importance of System Analyst in an organization. (5)
(b) What is the importance of maintenance in Software Industry? (5)
3. Explain System Development Life Cycle in detail. (10)
4. Distinguish between :
 - (a) Decision tree and DFD.
 - (b) Real Time System and Online System. (2×5=10)
5. (a) Why do we test system? How important is testing ? (5)
(b) Explain the procedure for hardware and software selection with the help of an example. (5)
6. (a) Write the advantages and limitations of CASE TOOL. (5)
(b) Why do we use normalization? (5)
7. What is the use of UML model? Explain with the help of an example. (10)