Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (2013 & 2014) (Sem.–3)

SYSTEM ANALYSIS AND DESIGN

Subject Code : BS-207

M.Code : 12516

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 a student has to attempt any FOUR questions.**

SECTION-A

1) Answer briefly :

a) Explain principle of cohesion and coupling.

b) Validation versus Verification.

c) Define SDLC.

d) Define Post-Implementation.

e) What is good Documentation?

f) Explain VIRUS.

g) Explain Physical Records.

h) What do you mean by Re-Engineering?

i) Explain the static and dynamic modeling.

j) What is Contingency?

SECTION-B

2) Explain the process of Audit Trails and Risk Management in detail with examples.

3) a) How structural design methodology is used in function-oriented design? Explain different steps used in design methodology with a suitable example.

   b) What is the view point of a DFD and why it is important? Write also how it is decomposed and balanced?

4) a) Explain the differences between top-down and bottom-up interview approaches. When these are used?

   b) Compare the major elements and issues of phased developed and prototyping.

5) Write short notes on following :

   a) CASE Tools

   b) Checklist for design review

6) What are the characteristics that can be used to classify outputs? Also differentiate between external and internal outputs.

7) Differentiate between Object Oriented and Module Oriented approaches. Define Modeling using UML.

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.