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

Total No. of Questions : 07

B.Sc. (IT) (Sem.–4)
SYSTEM ANALYSIS & DESIGN
Subject Code : BSIT-403
M.Code : 74085
Date of Examination : 07-07-22

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. **Explain the following :**

   a) Define the role of system analyst.

   b) Explain the concept of design document.

   c) Define Bug, Error and Failure.

   d) Explain the criteria's for selecting test tools.

   e) Differentiate system and software.

   f) What are the basic features of system programming?

   g) Without developing an SRS document an organization might face severe problems. Identify those problems.

   h) Explain RAD model.

   i) Explain regression testing in detail.

   j) How to maintain system after implementation?

SECTION-B

2. What are the fundamentals of structured analysis tools? Explain the requirement of designing documents.

3. Explain the concept of system testing. How to perform test automation? What are the tools to be use for test automation?

4. Differentiate alpha testing from beta testing and discuss in detail about the phases in which alpha and beta testing is done and how it is related to milestone and deliverable.

5. Explain how system implementation process differs from software development process. Also explain each phases of system implementation.

6. Order the following tasks in terms of the waterfall model and then explain each term. Acceptance testing, project planning, unit testing, requirements review, cost estimating, high-level design, market analysis, low-level design, systems testing, design review, implementation and requirement specification.

7. What is the principle of prototype model? What are the advantages of spiral model?

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.