S. B. Roll. No.....

SOFTWARE ENGINEERING
3rd Exam/CSE/IT/0095/Nov'24
(For 2018 Batch Onwards)

Duration: 3Hrs. **M.Marks:75**

SECTION A

Q1. Do as directed. **15x1=15**

a. SDLC stands for _____.
b. Unit testing is done at _____ phase.
c. An open rectangle in DFD represents _____.
d. Degree of inter-dependence between two modules is known as _____.
e. _____ testing is the process of testing the interface between two modules.
f. Alpha and Beta Testing are forms of _____Testing.
g. A system that is not affected by the environment is called _____ system.
h. MIS stands for _____.
i. Decision table is physically divided into ____ quadrants.
j. Feasibility study is the last phase in SDLC. (T/F)
k. Validation is an example of software quality assurance. (T/F)
l. Flowchart does not use any symbol. (T/F)
m. Interviews with users are requirement gathering techniques. (T/F)
n. The aim of software design is to reduce coupling and increase cohesion. (T/F)
o. Testing the functionality of system is White box testing. (T/F)

SECTION-B

Q2. Attempt any six questions. **6x5=30**

i. What do you mean by system? Explain its characteristics.
ii. Write down the steps used for preliminary investigation.
iii. Explain the difference between functional and non-functional requirements.
iv. Explain various types of maintenance.
v. Explain the term modularity with example.
vi. Write a short note on data dictionary.
vii. Explain various symbols used in DFD.
viii. Explain the importance of feasibility study.
ix. Explain the various objectives of system analysis.
x. Explain the various components of system.

SECTION-C

Q3. Attempt any three questions. **3x10=30**

a. What is SDLC? List and explain various phases of SDLC.
b. What is SRS? Explain its various characteristics.
c. What is system design? Explain the difference between logical and physical design.
d. What do you mean by testing? Explain the various types of tests that are done on a system?
e. What are decision tables? Explain their advantages.
f. Write short note on i) Economic Feasibility ii) Database Design