

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

SOFTWARE ENGINEERING
3rd Exam/IT/CSE/0095/Nov'19
(FOR 2018 BATCH)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- MIS stands for _____
- Reliability is a parameter for achieving non-functional requirement. (T/F)
- DBMS stands for _____
- More than 60% of the lifetime software cost of a system is devoted to _____
- Performance is a type of Functional Requirement. (T/F)
- DBA stands for Database Administrator. (T/F)
- ROI stands for Return on Investment. (T/F)
- Personality is an element of PIECES framework. (T/F)
- Steering committee selects the project. (T/F)
- Feasibility Analysis Matrix contains four parameters for analysis. (T/F)
- SDLC stands for _____
- Interviews and Questionnaires are information gathering methods. (T/F)
- Net Present Value is the most preferred cost benefit technique. (T/F)
- SQL stands for _____
- Testing the individual module of software is called _____

SECTION-B

Q2. Attempt any six questions.

6x5=30

- List and explain in brief, various types of feasibility studies.
- What are the different characteristics of a System?
- Explain PIECES framework for identifying operational problems.
- Explain the various types of System Testing techniques.
- What is the criterion for system requirements?
- Write short note on DBMS.
- Explain the need of Maintenance and different types of Software Maintenance.
- Write the features of quality design.
- Define quality. Discuss various quality factors associated with information system.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- Explain different fact finding techniques in detail.
- Elaborate the various phases of SDLC in detail with the help of suitable examples.
- Write short notes on the following.
 - Preliminary Investigation
 - Decision Trees
- Write short notes on the following.
 - Logical Design vs Physical Design
 - Data Flow Diagrams
- Explain different type of Information System in detail based on Management Hierarchy.

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

SOFTWARE ENGINEERING
3rd Exam/CSE/IT/0095/Jun'2021
(For 2018 Batch Onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. What is System Development Life Cycle?
- ii. Write a note on Economic Feasibility?
- iii. What are the stages of Preliminary Investigations?
- iv. What are the Advantages and Disadvantages of Questionnaires?
- v. What is System Design? Differentiate between Logical & Physical Design?
- vi. Differentiate between Black Box Testing and White Box Testing.
- vii. What is the importance of Audit Trails?

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. What are the different classifications of Systems? Explain
- b. What do you mean by Testing? What are the various types of Tests that are done on a System?
- c. What do you mean by Data Flow Diagram (DFD)?
- d. List and explain in brief various types of Feasibility Studies.

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

SOFTWARE ENGINEERING
3rd Exam/IT/CSE/0095/Jun'2022
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Give answer in one line.

15x1=15

- Define System?
- Name the elements of a System.
- What is the difference between Physical and abstract System?
- Define System analysis.
- How many phases are there in SDLC?
- What are two types of designs?
- Name the different types of feasibility in a System.
- What are the different types of questionnaires?
- What is DBMS?
- What do you mean by data redundancy?
- What is a query?
- Write various types of tests.
- What is test data?
- Define Testing.
- Expand DBMS.

SECTION-B

Q2. Attempt any six questions.

6x5=30

- Write differences between open and close systems.
- How does a system analyst collect facts from existing documents?
- Write a note on development process model.
- Define cost and various types of cost in SDLC.
- Differentiate between decision table and decision tree.
- Define the terms: a) Data Dictionary b) Prototyping.
- Write the features of quality design.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- Define SDLC and Write down various phases of SDLC.
- Define Feasibility Study and explain its various types in detail.
- Explain various fact finding techniques in detail
- What are the main designing constraints while designing system?
- What are various features of AJAX?
- What are the various features of SBMS?