

## Software Re-engineering (SE4001)

## Quiz II

### Section BSE-8A

Date: March 28<sup>th</sup> 2024

Course Instructor

Dr. Syed Muazzam Ali Shah

Total Time: 1 Hours

Total Marks: 10

Total Questions: 10

Semester: SP-2024

Campus: Karachi

Dept: Software Engineering

Student Name

Roll No

Section

Student Signature

**CLO # 2: Demonstrate and utilize reengineering techniques to maintain and modify software systems.**

**Q1: Answer the following multiple choice questions ..... [1 x 10 =10 marks]**

1. Which of the following is not considered as the true layer in the function element of the source code re-engineering reference model.
  - a. Transformation
  - b. Interpretation
  - ☒ c. Integration
  - d. Regeneration
  - e. All of the above
2. During the acceptance testing in the phase reengineering model, Fault detection is performed by applying the target system test plan on the target system. [True] [False] ☒
3. The two main aspects of renovation stage of phase re-engineering model are
  - a. Representation of the external behavior
  - b. Representation of the system
  - c. Representation of the internal files
  - d. Representation of external data
  - e. a & b
  - ☒ f. b & d
4. The three starting representations for renovating a software system in phase reengineering model are Source code, Design, and Requirements.
5. Which one of the following is considered to be the function of causation layer in the function element of the source code re-engineering reference model?
  - a. Generation of alternative views at the same abstraction level
  - b. Generation of source code
  - ☒ c. Modifications of specification
  - d. Object interpretation

- e. None of the above
6. Scope of reengineering is decided by considering the level of need, resources, cost, and urgency is considered to be the advantage of Partial approach of re-engineering.
7. While performing parsing in the encapsulation layer of function element of source code re-engineering reference model, the object code of the operational program is re-engineered into an intermediate language (IL). [True] [False]
8. The interpretation layer of the source code reference model performs Functionalization and Program Reading functions.
9. The five re-engineering approaches may differ w.r.t to two aspects, one of the aspect is:
- a. Understanding the scope of the work
  - ☒ b. Extend of re-engineering performed
  - c. The starting representation of the system
  - d. Determining the resources that are going to be used
  - e. Data conversion planning
10. In the analysis and planning stage of phase re-engineering model, analyze implementation means analyze the Source code and records the details of Source code.