

Software Re-engineering (SE4001) Quiz II

Section BSE-8B

Date: March 28th 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. The two aspects of renovation stage in phase re-engineering model are System's Representation and Representation of external data
2. 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
3. The present state of the system to be re-engineered and understanding its properties is considered as one of the technical issues in the analysis and planning stage of phase reengineering model. [True] [False]
4. The five re-engineering approaches may differ w.r.t 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
5. Program migration is the Source to Source translation strategy, which is considered to be one of three replacement strategies in the renovation stage of phase re-engineering model.
6. Which one of the following does not fall under the several considerations that were taken for choosing a particular re-engineering approach?
 - a. Objective of the project
 - b. Availability of resources

- c. Level of abstraction
 - d. The risks in the re-engineering projects
 - e. None of the above
7. Collect inventory means to establish a reference baseline for operational system by locating
- a. All the program files and documents
 - b. Test plans
 - c. History of maintenance
 - ☒ d. All of the above
 - e. None of the above
8. Both the reverse engineering and forward engineering processes include causation layer, because it represents the derivation of the Requirements Specification for the software system.
9. Which one of the following is considered as the true function of transformation layer of the function element in source code re-engineering reference model?
- ☒ a. Procedural granularity
 - b. Data reduction
 - c. Functionalization
 - d. Specification of constraints
 - e. None of the above
10. 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] ✓