QUIZ

V SEMESTER (CSE)
SOFTWARE ENGINEERING (CSE_ 3154)

Max Marks: 10   **Duration: 30 minutes**

Student Name		Reg No	Section	Semester
Student Signature:				

Note: All questions are mandatory

Q.NO.	Question	Marks
Q1	Match the following related to four different types of software maintenance: <table><tr><td>A. Preventive maintenance</td><td>1. Correct errors which were not discovered during the product development phases</td></tr><tr><td>B. Adaptive maintenance</td><td>2. Updating documentation, optimizing code, and reconstructing code</td></tr><tr><td>C. Perfective maintenance</td><td>3. Port software to a new environment</td></tr><tr><td>D. Corrective maintenance</td><td>4. Improve implementation of the system</td></tr></table> **Answer: - A-2, B-3,C-4, D-1**	1
Q2	Match the following related to feasibility study to determine whether developing the product is worthwhile in terms of cost, technology, operation and schedules: <table><tr><td>A. Technical feasibility</td><td>1. Ease of operating and maintaining the product after deployment</td></tr><tr><td>B. Schedule feasibility</td><td>2. Cost / benefit analysis</td></tr><tr><td>C. Economic feasibility</td><td>3. Resource constraints and Project deadlines</td></tr><tr><td>D. Operation feasibility</td><td>4. Technical Reasons</td></tr></table> **Answer: - A-4, B-3, C-2, D-1**	1
Q3	Match the following related to process life models: <table><tr><td>1</td><td>Classical Waterfall model</td><td>a</td><td>Understood and Experienced Development team, small project</td></tr><tr><td>2</td><td>Iterative Model</td><td>b</td><td>Safety-critical and embedded software</td></tr><tr><td>3</td><td>V Model</td><td>c</td><td>GUI based applications and if user requirement is not clear</td></tr><tr><td>4</td><td>Prototype</td><td>d</td><td>Requirements are well known and stable Technology</td></tr></table> **Answer: -1-D,2-A,3-B,4-C**	1
Q4	Match the following items in the below two columns listing various activities encountered in a software life cycle? <table><tr><td>P. Requirement capture</td><td>1. Module development &Integration</td></tr><tr><td>Q. Design</td><td>2. Domain Analysis</td></tr><tr><td>R. Implementation</td><td>3. Structural and Behaviour modelling</td></tr><tr><td>S. Maintenance</td><td>4. Performance Tuning</td></tr></table> **Answer: -P-2,Q-3,R-1,S-4**	1
Q5	Match the following related to types of software: <table><tr><td>P. Packaged software</td><td>1. Program that allows users to change the coding and share it with other users</td></tr></table>	1

		Q. Custom software	2. Software that helps system software transition to or from application software programs		
		R. Open source software	3. Prewritten software available for purchase		
		S. Middleware software	4. Software developed at user's request		
		Answer: -P-3,Q-4,R-1,S-2			

Q6	Which software development life cycle model more suitable for Aircraft flight control software development where reliability requirement is very high? A) Prototype B) Iterative Waterfall C) V Model D) Waterfall	1
Q7	If requirements are frequently changing, which model is to be selected? a) Waterfall model b) Prototyping model c) V model d) Iterative enhancement mode	1

Q8	Match the following related to different testing types:	1

P. Performance Testing	1. Modules are collectively tested
Q. System Testing	2. Each module is tested independently as a stand alone
R. Integration Testing	3. Responsiveness and stability testing under a particular workload
S. Unit Testing	4. Developed system functions are tested

Answer: -P-3, Q-4, R-1-,S-2

Q9	Which model is the most appropriate for complex projects by dividing requirements and delivering in multiple releases? A) Prototype B) Iterative Waterfall C) V Model D) Increment development model	1

Q10	Match the following related to software product characteristics:	1

P. Maintainability	1. Efficient to use the system by users
Q. Dependability	2. Qualities such as Response time, processing time, memory utilization
R. Efficiency	3. Qualities such as Reliability, security, safety
S. Usability	4. Qualities such as Testability and Extensibility

Answer: -P-4,Q-3,R-2,S-1