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| **QUIZ 1 (10-Feb-2021)**  **Max. Marks : 15 Duration: 15 Minutes**  **Class : TE Computer Semester: VI**  **Course Code : CE 63 Branch : Computer Engineering Name of the Course: Software Engineering** |
| **Instructions:**   1. **All Questions are Compulsory**   **Name: Vishal Salvi**  **UID: 2019230069** |

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| **Question No.** |  | **Max. Marks** | **CO** |
| 1) | The incremental model of software development is  **a) A reasonable approach when requirements are well defined.**  b) A good approach when a requirements keep changing.  c) The best approach when customer demands a quick release  d) A revolutionary model that is not used for commercial products. | 1 | CO1 |
| 2) | Evolutionary software process models  a) Are not iterative in nature  b) Cannot accept requirements changes  **c) Do not generally produce throwaway systems**  d) All of the above. | 1 | CO1 |
| 3) | Which of the following is NOT a typical artifact of the Scrum framework?  a) Product Backlog  **b) SRS**  c) Product increment  d) Sprint Backlog | 1 | CO1 |
| 4) | The spiral model of software development  a)Is an iterative model.  b) Used in large and complex projects.  c) Includes project risks evaluation during each iteration  **d) All of the above** | 1 | CO1 |
| 5) | In the Spiral model the radius of the spiral at any point represents  a)the level of risk  b)the progress made in the current phase  **c)the cost incurred in the project till then** d)None of these | 1 | CO1 |
| 6) | What does NOT belong to cornerstones of the agile manifesto?  a) Individuals and interactions over processes and tools  b) Working software over comprehensive documentation  **c) Following plan over responding to change**  d) Customer collaboration over contract negotiation | 1 | CO1 |
| 7) | Conversion of Adjusted Function Point Count to LOC count is dependent on  a) Team Size  b) Project Duration  **c) Programming Language**  d) Cost Drivers | 1 | CO2 |
| 8) | User wants to add/change Customer data, delete Customer data, wants to inquire on Customer, and also requires 1 report on Customer with calculated data. Identify transactional functions (EI/EO/EQ) and data functions (ILF/EIF)  Ans: | 1 | CO2 |
| 9) | You are managing a software project with an initial budget estimate of 2 million USD. During interim cost and schedule performance analysis, you figured out that:  You should have spent $500,000 till now based on your initial plans and 1,000 man/days of schedule activities  You spent $600,000 till now and completed 1,100 man/days of schedule activities which should have cost $450,000 based on your initial plans.  Calculate CPI and SPI | 2 | CO2 |
| 10) | Using the architecture of a house or building as a metaphor, draw comparisons with software architecture. How are the disciplines of classical architecture and the software architecture similar and how they differ?(2 points each)  Discuss architecture of Watsapp system design with help of a diagram. (not exceeding 1 page) | 2 + 3 | CO4 |