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| **QUIZ 2 (04-Mar-2021)**  **Max. Marks : 15(1Mark-Submit on Time) 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** |
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| **Question No.** |  | **Max. Marks** | **CO** |
| 1) | Changing requirements fall in which of the following category of risk?  a)Technical risk  b)Development environment  **c)Project risk**  d)Business risk | 1 | CO3 |
| 2) | Factors that affect the consequence of a risk are  **a)Nature of the risk**  **b)Scope of risk**  **c)Timing of risk**  d)None of the above | 1 | CO3 |
| 3) | According to Halstead, if level of language is higher,  **a)Program development takes less effort**  b)Program development takes more effort  c)Development takes same effort  d)None of the above | 1 | CO2 |
| 4) | Initial estimate of a project is 100KLOC.Team members have average experience on similar project.Find the effort required for the project. | 1 | CO2 |
| 5) | Which of the following model used for a project where the requirements are stabilized and basic architecture is in place  a)Application composition model  **b)Early design stage model**  c)Post architecture model | 1 | CO2 |
| 6) | Give 2 constraints in review meeting in FTR   1. **The duration of the review meeting should be less than two hours. Given these constraints, it should be obvious that an FTR focuses on a specific and small part of the overall software.** 2. **Review meeting between 3 or 4 people.** 3. **Advance preparation should occur but it should be very short that at the most 2 hours of work for each one.** | 1 | CO4 |
| 7) | Which of the following cannot be identified during code review?  a) Formal and actual parameter mismatch  b) Is memory freed after it is no longer required  **c) Non conformance to software requirements**  d)Are all variables initialized before they are used | 1 | CO4 |
| 8) | Discuss a scenario where program is correct but not reliable  **Yes. A program may produce the correct answer given valid inputs, but a lot of the time we have to check against bad data or wrong options which might induce undefined behavior in the computational part of the program.**  **For example - a program that divides. A correct program is the one that divides two numbers and outputs the right answer. A reliable program is the one that also handles the divide by zero possibility preventing the program from producing unwanted outputs.** | 1 | CO4 |
| 9) | Draw graph and use the no. of nodes and edges to calculate cyclomatic complexity of following program given at the end | 2 | CO4 |
| 10) | Match the following  A. Ambiguous requirement  B. Lack of communication in team  C. No proper training  D. Change in government rule  **1.** Development environment  **2.** Product risk  **3.** Business risk  **4.** Operational risk  **Ans:**  **A - 2**  **B - 1**  **C - 4**  **D - 3** | 4 | CO3 |

