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QUESTION PAPER

Name of the Examination: Fall 2023-24 Semester – CAT-2

Course Code: CSE 1005

Course Title: Software Engineering

Set number: 2

Date of Exam: 16/10/2023 (Fri) (B1)

Duration: 90min

Total Marks: 50Marks

Instructions:

1. Assume data wherever necessary.
 2. Any assumptions made should be clearly stated.
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1. What do you mean by strategic issues in a business context? Share a real-life example of a strategic issue and describe how a company could approach solving it. (10M)
 2. How can behavioral Testing be utilized to examine potential gameplay issues or technical glitches that could impact the user experience in the context of a gaming company launching a new multiplayer online game? Provide a comprehensive explanation of how Black Box Testing would be implemented in this specific scenario to guarantee the software or system's quality and dependability. (10M)
 3. Discuss some challenges that teams might face when applying architectural design metrics. How can these challenges be addressed or mitigated? Provide strategies for ensuring that architectural design metrics are used effectively to guide design decisions. (10M)
 4. Discuss some challenges that teams might face when applying Function Point Metrics. How can these challenges be addressed or mitigated? Provide strategies for ensuring that Function Point Metrics are used effectively to size software projects. (10M)
 5. Explain the concept of 'Boundary Value Analysis' and 'Equivalence Partitioning' in software testing. Provide examples to illustrate how these techniques can be applied. (10M)