

MSCS (2 nd) – Fall 2018-20 – Mid-term	Subject: Software Engineering and Formal Specification
Course Instructor: Dr. Nadeem Akhtar	Time: 80 mins.
CSIT-31012	Total: 30 Marks

<u>Q. no. 1.</u> Short Questions. Define each of the following terms with one example:		(3 x 8 = 24)
(1) Requirement Specification	(2) Formal Specification	
(3) Correctness	(4) Reliability	
(5) Robustness	(6) Rigor & Formality	
(7) Abstraction & Refinement	(8) Performance & Efficiency	
<u>Q. no. 2.</u> Describe Safety and Liveness properties of Correctness. Name the Formal methods and Formal languages that can be used for Formal specification		
		(6)

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