



**East West University**  
**Department of Computer Science and Engineering**  
**CSE 325(4) Class Test 01**  
**Fall 2018 Semester**  
**Full Marks: 10 Time: 20 minutes**

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Name: \_\_\_\_\_

ID: \_\_\_\_\_

1. Suppose you have two integer values and a string to pass to a procedure. Which parameter passing method will you follow and why? (2.5)
2. A tech company decides to develop an operating system for running its internal simulation based programs. Simulation based programs are usually heavy weight and requirement for different simulation varies significantly which calls for frequent update to cope up with new feature requirement. What kind of kernel will you prefer and why? (2.5)
3. Which method will you use to establish communication between H/W controller and CPU between polling and interrupt? Give logic supporting your decision. (2.5)
4. Can you explain cycle stealing concept in Direct Memory Access? (2.5)

**Start writing from here:**