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| Parallel and Distributed Computing ( 6E / 6F )  Quiz 06 (Spring 2022). Instructor: Dr. Syed M. Irteza | | Name: |
| Date: 2022-06-01 | | Roll Number: |
| Total Marks: 15 | Time Allowed: 10 mins |

1. If I know the size of the message (e.g., 10 Megabits), and I know the number of hops (e.g., 5), as well as the startup time at the source (e.g., 100msec), what other pieces of information do I need to know for calculating the total time taken for data transfer of this message? Please write an expression for this as well (using the information given above). [6m]
2. What was the use case for grid computing that made it unique from other forms of distributed computing? [2m]
3. Can we say that middleware is an alternative for a network OS? [4m]
4. What kind of application would suit a peer-to-peer architecture? [3m]