**BRAC UNIVERSITY**

**Department of Computer Science and Engineering**

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| **Examination: Semester Final**  **Duration: 2 Hours 30 minutes** | **Semester :Summer 2019**  **Full Marks:64** |

CSE 321: Operating Systems

Answer the following questions.

Figures in the right margin indicate marks.

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| Name: | ID: | Section: |

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| **6. CO3** |  | **List** the optimization criteria of CPU scheduling?  The SJF CPU scheduling technique preempts an executing process. Using the SJF policy, **construct** a Gantt Chart and **compute** the waiting time for the 6 processes tabulated below (time in milliseconds):   |  |  |  | | --- | --- | --- | | **Process** | **Burst Time** | **Arrival Time** | | P1 | 8 | 3 | | P2 | 12 | 10 | | P3 | 8 | 13 | | P4 | 6 | 14 | | P5 | 7 | 19 | | P6 | 8 | 88 | | 1+4+3 |
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