**Class Test, Date: 24 Nov, 2019, CSE3241: Operating systems, Marks-20**

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|  | **Answer all the questions.** |  |
| 1. | Define operating system. What do you mean by kernel of an operating system? | 5 |
| 2. | What are the functions of an operating system? ‘Operating system acts as the government of the system’- discuss. | 5 |
| 3. | Define process. How does it differ with a program? What are the states of a process goes through its life cycle? | 5 |
| 4. | What do you mean by I/O-bound and CPU-bound processes? Explain with the queuing diagram how a process migrates from one queue to another during its life cycle. | 5 |