## 

**DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY**

**Subject Name:** Principles of Operating Systems **Subject Code: CSH206B-T**

**Topic:** Introduction to Operating System

**Tutorial: 1**

**Objective: To gain familiarity with introductory concepts of OS**

**Course Outcome : CO1 : Learn architecture of OS**

**Bloom’s Taxonomy : BT1 : Knowledge**

Q1. Define Operating System?

ANS:

An operating system is a program that manages the computer hardware. It also provides a basis for application programs and acts as an intermediary between the computer user and the computer hardware.

Q2. Mention the generation in terms of development of operating system for below mentioned terms:

1. Disks

ANS:

2. Batch systems

3. Spooling

4. Time-Sharing

5. Multi-tasking/Multi-threading

Q3 Complete the below mentioned table based on the evolution of different operating systems

|  |  |  |  |
| --- | --- | --- | --- |
| Generation | Period | Computer Architecture | Problems and development of OSs |

Q4. The major drawback of Multiprogrammed batch systems was the lack of user/programmer interaction with their jobs. How can you overcome this?

Q5. What is SPOOL? What is the benefit of spooling?

Q6. What are the functions of operating system from user’s and system’s viewpoint?