PUBLIC SCHOOL DARBHANGA

SESSION (2020-21)
CLASS-9
COMPUTER SCIENCE
OPERATING SYSTEM

Q1: OBJECTIVE TYPE QUESTIONS:

1. Which System Software acts as an interface between hardware and user?
   a. MS Word   b. MS Excel   c. MS PowerPoint   d. Operating System

2. .... handles the interaction with users.
   a. Shell   b. Hardware   c. Kernel   d. None of these

3. Which function of an operating system ensures that each process receives enough time (by the processor) to function properly?
   a. File Management   b. Job Control
   c. Processor Management   d. All of these

4. Operating System is a type of .... software.
   a. System   b. Application   c. Utility   d. Custom

5. Which type of operating system allows different parts of an application to run simultaneously?
   a. Multitasking   b. Multithreading   c. Multiprocessing   d. Multiuser

Q2: STATE TRUE OR FALSE

1. A Computer requires specific instructions to perform each and every task.
2. Shell handles the interaction with hardware.
3. A user's interface to the operating system is called a shell.
4. A Kernel provides a way for a user to communicate with the operating system .
5. Microkernel are packaged into a single module.
6. Kernel is the outermost layer of the operating system and manages the interaction between a user and the operating system.
7. An operating system manages the working of the processor by allocating various jobs to it.
8. Input devices are not controlled by the operating system.
9. An operating system keeps track of information regarding creation, deletion, transfer, copy, and storage of files in an organized way .
10. Microsoft DOS is a multi-user operating system.

Q3: ANSWER THE FOLLOWING QUESTIONS:

1. What is an operating system? Name the types of OS.
2. Describe mobile operating system. Give some example of mobile OS.
3. Write the full form of the following:
   i. BOSS   ii. GUI   iii. OS   iv. CUI
4. What is the difference between multiprocessing and multi-threading operating system.
5. Write short notes on:
   a. Android operating system   b. iOS operating system
6. How does an operating system provide security?
7. What are the different responsibilities of a kernel?
8. What is the difference between kernel and shell?
9. Write a note on Android operating system.
10. What is the difference between single user operating system and multi user operating system ?
11. How is multithreaded operating system different than multitasking operating system?