Tutorial-1

- 1. What is an operating system?
- 2. Examples of operating system.
- 3. What are the features of operating systems?
- 4. What are types of operating systems?
- 5. Basic functions of an operating system.
- 6. What are the differences between multiprocessing and multiprogramming?
- 7. The software that contains the core components of the operating system is called
 - a. Controller
 - b. Root
 - c. Kernel
 - d. None of the above
- 8. Classify the following as batch-oriented or interactive
 - a. Email communications
 - b. Word Processing
 - c. Bank statements
 - d. Fixed employee payroll processing
- 9. Which of the following are single user operating systems?
 - a. MS-DOS
 - b. UNIX
 - c. XENIX
 - d. Both a and b
- 10. Loading the OS into the memory of a PC is called
 - a. Thrashing
 - b. Booting
 - c. Formatting
 - d. Scheduling
- 11. The Operating system is responsible for
 - a. Controlling peripheral devices such as monitor, printers, disk drivers
 - b. Providing an interface that allows user to choose programs to run and to manipulate files
 - c. Managing users' files on disk
 - d. All the above
- 12. What is not the major objective of an operating system?
 - a. To act as a resource manager for multiple tasks
 - b. To provide an interface to user.
 - c. To act as a uniform abstract machine on top of a variety of different hardware platforms
 - d. To enable loading and execution of binary code with minimum intervention by the user
- 13. Which of the following states is not a discrete process state?
 - a. running state
 - b. new state
 - c. ready state

	d.	unblocked state
14.	In a tir	ne-sharing operating system, when the time slot given to a process is
	comple	eted, the process goes from the RUNNING state to the
	a.	READY state
	b.	BLOCKED state
	c.	TERMINATED state
		SUSPENDED state
15.	In the	multi-programming environment, the main memory consists of
		er of process.
		Greater than 10
		Only one
	c.	More than one
16.		ulti-programming environment:
		The processor executes more than one process at a time
		More than one process resides in the memory
		None of the above
17.		se that a process spends a fraction p of its time in I/O wait state. With n
	•	ses in memory at once, the probability that all n processes are waiting for I/O is
		1/p b. 1/pn c. 1 - pn d. pn
18.	•	n call is used to access
		I/O functionality
		operating system functionality
		application functionality
		none of the above
19.		aximum number of processes that can be in Ready state for a computer system
		processors is
20	a.	n (b) n2 (c) 2n (d) Independent of n
20.		fy the following as Processor-bound or I/O bound
		Computing 'pi' to a million decimal places
		Data entry operation for a group of employees
	c.	A calculation-oriented program that frequently needs to take different
	٦	parameters as input from the user
	a.	A calculation-oriented program that requires minimal intervention from the
21	The	user
<i>Z</i> 1.		Imber of processes completed per unit time is known as Output
	a. b	1
		Throughput
		Efficiency Capacity
	u.	Сараспу