

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E/ECE	Year / Semester : IV/ VII	Format No.	NAC/TLP-07a.13
Subject Code : EC8791	Subject Name : Embedded and Real Time Systems	Rev. No.	02
Unit No : 5	Unit Name : Processes and Operating Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
1	Which of the following works by dividing the processor's time? a) single task operating system b) multitask operating system c) kernel d) applications	L2
2	Which of the following decides which task can have the next time slot? a) single task operating system b) applications c) kernel d) software	L2
3	Which of the following controls the time slicing mechanism in a multitasking operating system? a) kernel b) single tasking kernel c) multitasking kernel d) application manager	L4
4	Which of the following can periodically trigger the context switch? a) software interrupt b) hardware interrupt c) peripheral d) memory	L5
5	Which of the following provides a time period for the context switch? a) timer b) counter c) time slice d) time machine	L1
6	The special table in the multitasking operating system is also known as a) task control block b) task access block c) task address block d) task allocating block	L1
7	Which of the following stores all the task information that the system requires? a) task access block b) register c) accumulator	L2

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d) task control block		
8	Which of the following contains all the task and their status? a) register b) ready list c) access list d) task list	L1
9	Which determines the sequence and the associated task's priority? a) scheduling algorithm b) ready list c) task control block d) application register	L1
10	Which can control memory usage? a) operating system b) applications c) hardware d) kernel	L3
11	There are efficiency gains from _____ all sorts of equipment. a) Implementation b) Analogous c) Evolution d) Digitization	L2
12	Which can control the memory sharing between the tasks? a) kernel b) application c) software d) OS	L3
13	Which of the following can implement the message passing and control? a) application software b) operating system c) software d) kernel	L1
14	How many types of messages are associated with the real-time operating system? a) 2 b) 3 c) 4 d) 5	L1

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15	In distributed system, each processor has its own _____ a) local memory b) clock c) both local memory and clock d) none of the mentioned	L2
16	Network operating system runs on _____ a) server b) every system in the network c) both server and every system in the network d) none of the mentioned	L3
17	Logical extension of computation migration is _____ a) process migration b) system migration c) thread migration d) data migration	L1
18	Processes on the remote systems are identified by _____ a) host ID b) host name and identifier c) identifier d) process ID	L5
19	In distributed systems, link and site failure is detected by _____ a) polling b) handshaking c) token passing d) none of the mentioned	L1
20	The capability of a system to adapt the increased service load is called _____ a) scalability b) tolerance c) capacity d) none of the mentioned	L1
21	Internet provides _____ for remote login a) telnet b) http c) ftp d) rpc	L2

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22	<p>The file once created can not be changed is called _____</p> <p>a) immutable file b) mutex file c) mutable file d) none of the mentioned</p>	L1
23	<p>_____ of the distributed file system are dispersed among various machines of distributed system.</p> <p>a) Clients b) Servers c) Storage devices d) All of the mentioned</p>	L1
24	<p>_____ is not possible in distributed file system.</p> <p>a) File replication b) Migration c) Client interface d) Remote access</p>	L3
25	<p>In a distributed file system, when a file's physical storage location changes _____</p> <p>a) file name need to be changed b) file name need not to be changed c) file's host name need to be changed d) file's local name need to be changed</p>	L2
26	<p>In a distributed file system, _____ is mapping between logical and physical objects.</p> <p>a) client interfacing b) naming c) migration d) heterogeneity</p>	L2
27	<p>There is no need to establish and terminate a connection through open and close operation in _____</p> <p>a) stateless file service b) stateful file service c) both stateless and stateful file service d) none of the mentioned</p>	L5
28	<p>In distributed file system, file name does not reveal the file's _____</p> <p>a) local name b) physical storage location c) both local name and physical storage location d) none of the mentioned</p>	L2

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29	Which one of the following is a distributed file system? a) andrew file system b) network file system c) novel network d) all of the mentioned	L1
30	What are the important steps followed when recovery from failure happens? a) Post repairing integration with main system should happen smoothly and gracefully b) Upon link failure both parties at end must not be notified c) Fault recovery system must me adjusted d) Failures are logged systematically	L1

