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3rd Sem / Branch : Comp,IT,GE

Subject:- Operating Systems

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Which of the following is not operating system?
a) Unix b) Linux (CO1)
c) Windows d) Foxpro

Q.2 Expand PCB (CO2)
a) Program communication block
b) Process communication block
c) Process control block
d) Process control backup

Q.3 Name of deadlock avoidance algorithm? (CO5)
a) Banker's algorithm
b) Round-robin algorithm
c) First come first serve algorithm
d) None of the above

Q.4 The data structure that stores the details about the process.....is called (CO2)
a) Process control buffer
b) Process
c) Memory management table
d) Process control block

Q.5 What is the condition required for deadlock to be possible (CO5)
a) Mutual exclusion b) Hold and wait
c) Circular waiting d) All of these

Q.6 The Situation where two or more process are reading or writing some shared data and the final results depends on the order of usage of the shared data, are called (CO5)
a) Race condition b) Critical section
c) Mutual Exclusion d) Dead locks

Q.7 Virtual memory is (CO7)
a) Large secondary memory
b) Large main memory
c) Illusion of Large main memory
d) None of the above

Q.8 Which command is used to create password of your linux system? (CO9)
a) Pwd command b) Passwd command
c) Uid command d) Gid command

Q.9 Which command is used to display first 10 lines?
a) Grep command b) Hd command (CO9)
c) Head command d) Gp command

Q.10 Who developed Linux Software (CO8)
a) Denis M. Ritchie
b) Linus Torvalds
c) Bjarne Stroustrup
d) Grace Murray Hopper

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Give name of any two operating system softwares. (CO1)

Q.12 How many states are there in case of process (CO2)

Q.13 Name any two preemptive scheduling algorithms (CO3)

Q.14 Name any two input devices (CO7)

Q.15 Linux is a command line interpreter (T/F) (CO8)

Q.16 Linux is a .....user operating system (CO1)

Q.17 Process is the smallest scheduling entity (T/F) (CO4)

Q.18 The first step in deadlock recovery is to identify ..... process (CO5)

Q.19 Mouse is.....device (CO7)

Q.20 Hard disk is a device (CO7)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Give difference between compiler and interpreter (CO1)

Q.22 What is a multitasking operating system (CO1)

Q.23 What do you mean by process in operating system (CO2)

Q.24 What is a dead lock (CO5)

Q.25 What is memory management (CO6)

Q.26 What is fragmentation (CO6)

Q.27 Explain the concept of paging (CO6)

Q.28 Write a short note on virtual memory (CO7)

Q.29 What are dedicated devices (CO7)

Q.30 What do you mean by spooling (CO7)

Q.31 What is a dot matrix printer (CO7)

Q.32 What are various types of file systems (CO7)

Q.33 Explain Bourne shell (CO9)

Q.34 What is th purpose of WC command (CO9)

Q.35 What is a buffer (CO6)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Write short note on (CO5,CO4)

a) deadlock detection

b) Inter process Communication

Q.37 Explain structure of Linux and also explain history of Linux (CO8)

Q.38 Explain the structure of operating system (CO1)

Note: Course Outcome (CO) mentioned in the question paper is for official purpose only.