Mock Test2(COP_OS)

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✓ 1.When we pass an array to a method, the method receives _____. *

- ● A. Reference of the array
- ○ B. A copy of array
- ○ C. A copy of first element
- ○ D. The length of array

✗ 2.Which of the following command is not belongs to message queue in IPC.

○ A. IPC_STAT

○ B. IPC_SET

◉ C. IPC_RMID

○ D. IPC_QUEUD

Correct answer

◉ D. IPC_QUEUD

✓ 3.Given a class named manager, which of the following is a valid constructor declaration for the class?

○ A. manger manger(){ }

○ B. static void manager(){ }

○ C. private final manger() { }

◉ D. manger(manger){ }

✗ 4.Why a shell script stopped running when we change its name because *

◉ A. location of the file changed

○ B. $0 was used in the script

○ C. we can't change the name of the script

○ D. none of above

Correct answer

◉ B. $0 was used in the script

5.Pick out the disadvantage of segmentation. *

○ A. Average Segment Size is larger than the actual page size.

○ B. Less overhead

◉ C. It can have external fragmentation.

○ D. The segment table is of lesser size as compared to the page table in paging.

6. Automatic type conversion in Java takes place_____ *

○ A. when two types are compatible and size of destination type is equal of source type.

◉ B. when two types are compatible and size of destination type is larger than source type.

○ C. When two types are compatible and size of destination type is shorter than source type.

○ D. all of the above

7.Which of the following operations are provided by Inter process communication.

◉ A. send and receive

○ B. read and send

○ C. write and receive

○ D. read and receive

✗ 8. When the valid – invalid bit is set to valid, it means that the associated page _____.

○ A. is the system's physical address space

○ B. has data in it

◉ C. is in the TLB

○ D. is in the process's logical address space

Correct answer

◉ D. is in the process's logical address space

✓ 9._____is used to convert the logical address into the physical address.

◉ A. Memory Management Unit

○ B. Paging

○ C. Segmentation

○ D. Mapping

✓ 10.What will be the output of the following program?   *

public class Main {

        public static void main(String[] args){

                for(int i = 0 ; i < 10; i++){

            }

            System.out.println(i);

        }

}

○ A. 9

○ B. 10

○ C. 11

● D. Compilation Error

✓ 11._____ is an identifier of a shared memory segment which is described by a control structure.

○ A. shid

● B. shmid

○ C. id

○ D. shmctl

✓ 12. Choose the correct way of initializing a multidimensional array below. * 1

○ A. int[][] code={1,2,3,4,5};

◉ B. int[][] code = {{1,2},{3,4,5}};

○ C. int[2][] code = {{1,2},{3,4,5}};

○ D. All of Above

✓ 13.Demand Paging is a popular method of _____. * 1

○ A. Memory sharing

◉ B. Virtual memory management

○ C. Memory control

○ D. All of above

✓ 14.What is the output of the below Java program with Varargs? *

```java
class Var_args {

  Var_args(int... dates)

  {   System.out.println("Inside Varargs(int...)");

  }

  Var_args(boolean... yesno)

  {   System.out.println("Inside Varargs(boolean...)");

  }

  public static void main(String[] args)

  {   new Var_args();

  }

}
```

○ A. Inside Varargs(int...)

○ B. Inside Varargs(boolean...)

○ C. Inside Varargs(int...) Inside Varargs(boolean...)

◉ D. Compiler error

✓ 15.Which set of necessary conditions causes a 'deadlock' in an operating
system?

○ A. Blocking send, race condition, hold and wait and RAM overflow

○ B. Blocking send, race condition, cache incoherency and RAM overflow

◉ C. Mutual exclusion, no pre-emption, hold and wait, and circular wait

○ D. Mutual exclusion, race condition, cache incoherency and RAM overflow

✓ 16.Which is/are of the following strategies for handling Deadlock? * 1

○ A. Deadlock Ignorance

○ B. Deadlock Prevention

○ C. Deadlock Avoidance

◉ D. All of the above

✓ 17.Pick out the Page Fault Terminologies from options. * 1

○ A. Page Fault Time

○ B. Page Hit

○ C. Hard Page Fault

◉ D. All of the above

✓ 18.Let A and B be two semaphores initialized to 1, where P0 and P1 1
processes the following statements wait(A);wait(B); ---; signal(A);signal(B)
and wait(B); wait(A);---;signal(B);signal(A); respectively.

The above situation depicts a ___ .

○ A.Semaphore

◉ B.Deadlock

○ C..Signal

○ D.Interrupt

✕ 19._____ flag is used as argument which passed to open a system call to open a file in read and write mode.

○ A. O_RDWR

● B. O_READWRITE

○ C. O_R&W

○ D. O_ReadWrite

Correct answer

● A. O_RDWR

✓ 20.Main memory of a computer system is? *

○ A.Non-volatile

● B.Volatile

○ C.Restricted

○ D.Unrestricted

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