Started on Wednesday, 17 February 2021, 5:37 PM
State Finished

Completed on Wednesday, 17 February 2021, 5:50 PM
Time taken 12 mins 27 secs

What is the output of the following application? package pet; public class Puppy { public static int wag = 5; // q1 public void Puppy(int wag) { // q2 this.wag = wag; } public static void main(String[] tail) { System.out.print(new Puppy(2).wag); // q3 } } Select one: a. 2 b. It does not compile because of line q1. c. It does not compile because of line q2. d. It does not compile because of line q3.

If there are 32 segments, each of size 1Kb, then the logical address should have

Select one:

a. 14 bits

b. 13 bits

c. 15 bits

d. 16 bits

Consider a logical address space of 8 pages of 1024 words mapped into memory of 32 frames. How many bits are there in the physical address?

Select one:

- a. 9 bits
- b. 15 bits

```
c. 13 bits
```

d. 11 bits

```
What is the output of the following application?
package track;
interface Run {
     default void walk() {
          System.out.print("Walking and running!");
     }
}
interface Jog {
     default void walk() {
          System.out.print("Walking and jogging!");
     }
}
public class Sprint implements Run, Jog {
     public void walk() {
          System.out.print("Sprinting!");
     }
     public static void main() {
          new Sprint().walk();
     }
}
Select one:
 a. Walking and running!
 b. Walking and jogging!
 c. Sprinting!
 o d. The code does not compile.
```

```
4, 3, 2, 1, 4, 3, 5, 4, 3, 2, 1, 5.

Number of page faults that would occur if FIFO page replacement algorithm is used with Number of frames for the Job M=3, will be

Select one:
```

a. 9

Consider following page trace:

- **b.8**
- c. 10

```
How many lines of the following program contain compilation errors?
package sky;
public class Stars {
     private int inThe = 4;
     public void Stars() {
          super();
    }
     public Stars(int inThe) {
          this.inThe = this.inThe;
    }
     public static void main(String[] endless) {
          System.out.print(new sky.Stars(2).inThe);
    }
}
Select one:
 a. None
b. One
C. Two
d. Three
```

```
What is the output of the following application?

package transport;

class Ship {

    protected int weight = 3;

    private int height = 5;

    public int getWeight() { return weight; }

    public int getHeight() { return height; }
}

public class Rocket extends Ship {

    public int weight = 2;

    public int height = 4;

    public void printDetails() {

        System.out.print(super.getWeight()+","+super.height);

    }

    public static final void main(String[] fuel) {
```

}	
}	
Select one:	
a. 2,5	
<b>b.</b> 3,4	
○ c. 3,5	
<ul><li>d. The code does not compile.</li></ul>	
Fill in the blanks:is used to call a constructor in the parent class,	
whileis used to reference a member of the parent class.	
Out of an an	
Select one:	
a. super and this()	
b. super and super()	
c. super() and this	
d. super() and super	
Dirty bit is used to show the	
Select one:	
<ul> <li>a. page that is modified after being loaded into cache memory</li> </ul>	
<ul> <li>b. page that is less frequently accessed</li> </ul>	
c. the wrong page in the memory	
d. page with corrupted data	
a. pago min con apica auta	
Consider a computer with 8 Mbytes of main memory and a 128K cache. The cache the consider is 4 K three caches are a first three caches and the caches are a first three caches and three caches are a first three caches and three caches are a first three caches are a first three caches and three caches are a first three caches and three caches are a first three caches are a first three caches and three caches are a firs	he
	•
many amoroni main momory blooks out map onto a given physical cache block:	
Select one:	
a. 2048	
b. 256	
O c. 8	
od. 64	
block size is 4 K. It uses a direct mapping scheme for cache management. How many different main memory blocks can map onto a given physical cache block?  Select one:  a. 2048  b. 256	