

Q1. What is difference between Little Endian and Big Endian. Explain using the following illustration [2]

**32 bit Integer**

MSB			LSB
8	4	9	4

**Random Access Memory**

0001	
0002	
0003	
0004	
0005	

Q2. Describe the concept of External Data Representation with the help of at least two examples .[2]

Q3. Given Class

```
Public class Department extends Serializable {
    private String name;
    private int no_of_students;
    public Person(String a, String b)
    { ..... }. // Error is not in this line
}
```

- a) Find at least one error in the code [0.5]  
 b) How many methods are in Serializable interface [0.5]  
 c) Given Serialized form of the object below, fill the missing values [2]

**Department d = new ("CS",100);**

Department		H0
	String name	int no_of_students
		H1

Q4. Draw the structure of Remote Object Reference. How can a Remote Object Reference be made unique over space and Time. [3]

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