

**Q.P. Code : 24943**

**[Time: Three Hours]**

**[ Marks:80]**

Please check whether you have got the right question paper.

- N.B: 1. Question.No.1 is compulsory.  
2. Attempt any 3 Questions from Q2 to Q6.

- Q.1** a) Write the characteristics of cloud computing. Explain the different types of cloud computing deployment models with examples. **10**  
b) Define mobile cloud computing. Explain the architecture of mobile computing. **10**
- Q.2** a) What are the different types of offloading in mobile cloud computing? Explain adaptive computation offloading. **10**  
b) What is mean by green mobile cloud computing? Explain energy saving in mobile cloud infrastructure. **10**
- Q.3** a) Explain resource allocation strategies in MCC. **10**  
b) Explain the Elastic application model of MCC with the help of diagram. **10**
- Q.4** a) Explain Weblet based mobile cloud computing model. **10**  
b) How vehicle monitoring is done using mobile cloud computing? **10**
- Q.5** a) Explain the hardware level virtualization and types of hypervisor in detail. **10**  
b) What are the platforms and technologies used in mobile cloud computing? Explain. **10**
- Q.6** a) Explain the different methods of cloud path selection for offloading. Discuss the issues related to it. **10**  
b) Explain the five issues in mobile cloud computing. **10**

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