

(3 Hours)

[Total Marks : 100]

**N.B. :** (1) Question No. 1 is compulsory.

(2) Attempt any **four** questions out of the remaining **six** questions.

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|--------|---|----|
| 1. (a) | Explain REST architecture and give its design constraints.  | 10 |
| (b)    | Explain the working of File Transfer Protocol (FTP) with suitable diagrams.                               | 10 |
| 2. (a) | Compare SOA and ROA. (Service Oriented Architecture and Resource Oriented Architecture).                  | 10 |
| (b)    | Discuss various security issues in cloud.   | 10 |
| 3. (a) | What is RSS ? Explain its advantages.   | 10 |
| (b)    | Describe IPV <sub>6</sub> (Internet Protocol Version 6) and state its differences over IPV <sub>4</sub> . | 10 |
| 4. (a) | Discuss "Cloud Computing". What are the different types of cloud services ? Explain.                      | 10 |
| (b)    | Explain the working of Search Engine.   | 10 |
| 5. (a) | Discuss the working of DHCP (Dynamic Host Configuration Protocol) and give its Packet Format.             | 10 |
| (b)    | Describe various client and server side Vulnerabilities.  | 10 |
| 6. (a) | Explain SOA with its life cycle.  | 10 |
| (b)    | Describe various deployment techniques in cloud computing.  | 10 |
| 7.     | Write short notes on –  | 20 |
| (a)    | Public Key Infrastructure (PKI)   |    |
| (b)    | Google Apps Engine  |    |
| (c)    | VOIP  |    |
| (d)    | HTML 5.0.   |    |