

(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 ₆ (Internet Protocol Version 6) and state its differences over IPV ₄ . | 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. | |