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|  | **Medi-Caps University, Indore (M.P.)** |
| CSE Department |
| **Pre University Test, B.E.-VII Sem, Nov-2017** |
| Subject – Cloud Computing (CSS-703) |

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| Time: 3 Hrs Max Marks: 70 | | |
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| **Note:** | All Questions are compulsory. Internal choice is given in each question. |  |
| Q.1 (a) | What are the keys steps in implementing Cloud Computing based applications? Also give the difference between grid and cloud computing? | 2 |
| (b) |  | 2 |
| (c) | Explain cloud analytics using suitable diagram? | 3 |
| (d) | How Cloud Computing can help in solving Gene Expression Data Analysis? Explain in details? | 7 |
|  | **OR** |  |
| (e) | What do you mean by Social Network Analysis? How Cloud Computing can help in this problem? |  |
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| Q.2 (a) | Discuss the use of SDLC with Platform as a service in cloud? | 2 |
| (b) | Discuss the generic cloud architecture in details? | 2 |
| (c) | “SOA as step forward to cloud”. Explain | 3 |
| (d) | Explain why virtualization has gain so much importance while implementing cloud solutions? Explain it with the help of XEN Virtualization technology and Full Virtualization | 7 |
|  | **OR** |  |
| (e) | Explain in detail about Virtual Desktop Infrastructure? |  |
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| Q.3 (a) | Explain how cloud helps in reducing capital expenditure? | 2 |
| (b) | Write in brief note about cloud fault tolerance model and its types? | 2 |
| (c) | Discuss the web application design and compromise response in cloud computing? | 3 |
| (d) | Explain Map-Reduce programming methodology? How it helps in implementing complex problems using Cloud Computing? | 7 |
|  | **OR** |  |
| (e) | Explain Virtual LAN (VLAN) and Virtual SAN (VSAN) in Cloud Computing? |  |
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| Q.4 (a) | How Security policies are implementing on Cloud Computing? | 2 |
| (b) | Discuss the different Cloud Security services? How trust computing is appied here. | 2 |
| (c) | List the CIA triads of information system security. Explain? | 3 |
| (d) | Explain the Cloud Computing Security architecture using suitable block diagram? | 7 |
|  | **OR** |  |
| (e) | Explain the following:  (i) Management As a Service (ii) Database As-a Service (iii) Information As a Service (iv) Application As a Service (Wine & Cygwin) |  |
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| Q.5 (a) | List the major features of Google App Engine. Which kind of problems can be solved using Google App Engine? | 2 |
| (b) | What are the major functionalities of Amazon EC2. Explain? | 2 |
| (c) | What do you mean by Cloud Federation Stack? | 3 |
| (d) | What is market based management of clouds? Explain in details? | 7 |
|  | **OR** |  |
| (e) | Explain how governance as a service can be delivered using cloud? What are the other applications of these services? |  |
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