DF-1463
M. Sc. (Computer Application) (Sem. III) Examination
March/April – 2016
Cloud Computing
(Old & New Course) (Elective - A)

Time : 3 Hours] [Total Marks : 70

Instruction:

1. Attempt the following:
   (a) Which are the different types of Cloud? Explain. 7
   (b) Briefly describe and explain Cloud architecture. 7
       OR
   (b) Discuss about the advantages and limitations of Cloud.

2. Attempt the following:
   (a) Discuss essential security issues of a public Cloud. 7
   (b) Explain Virtualization in Cloud. State its advantages and barriers. 7
       OR
   (b) Which are the various Cloud service models? Discuss in brief.

3. Attempt the following:
   (a) Write short note on following: (any one) 7
       (i) Cloud based Communicating systems
       (ii) Cloud based Productivity Software
   (b) Discuss about Mobile Cloud and explain how service discovery is performed.

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4 Attempt the following: (any two)

(1) Discuss Cloud storage and backup options offered by service providers.

(2) Discuss about Google App Engine GAE, its essential components and features.

(3) Explain Azure cloud, its architecture and characteristics as PAAS.

5 (a) Attempt the following in brief: (any two)

(1) What is type 1 hypervisor? How does it differ from type 2 hypervisor?

(2) Differentiate between homogeneous and heterogeneous clouds.

(3) What is auto-scaling in cloud?

(4) What is SLA in cloud?

(b) Write a note on SOA.