



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 :

नीचे दर्शायेख निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
M. SC. (COMPUTER APPLICATION) (SEM. III)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Cloud Computing (Old & New Course) (Elective - A)	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="6"/> <input type="text" value="3"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	
	Student's Signature

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. 7

- 4 Attempt the following : (any two) 14
- (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) 8
- (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. 6
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