

This question paper contains **2** printed pages]

**BJ—19—2016**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**COMPUTER SCIENCE**

**Paper S-2**

**(Cloud Computing)**

**(Wednesday, 23-11-2016)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time—3 Hours*

*Maximum Marks—80*

*N.B. :— (i) Attempt All questions.*

*(ii) Assume suitable data, if necessary.*

1. Attempt the following : 20

- (a) Explain the concept of 'cloud computing'.
- (b) Explain in brief main frame architecture.
- (c) Explain the concept of 'Infrastructure as service'.
- (d) Explain row oriented and column oriented database.

2. (a) Describe Internet technology and web enabled applications. 8

(b) Explain 3-tier architectures with TP monitors. 7

*Or*

(c) Explain Dev 2.0 architecture. 8

(d) Explain the users view of Microsoft Azure. 7

3. (a) Explain in detail SOAP/WSDL web services. 8

(b) Explain in detail Cloud File Systems. 7

*Or*

(c) Explain in detail AJAX. 8

(d) Explain in detail Amazon Dynamo. 7

P.T.O.

4. (a) Explain in detail Parallel computing. 8  
(b) Explain in detail salesforce.com's 'Force.com' platform. 7  
Or  
(c) Explain relational operations using Map Reduce. 8  
(d) Discuss the advantages and limits of Dev 2.0. 7
5. Write short notes on (any *three*) : 15  
(a) Dev 2.0 platform and related efforts  
(b) Hbase  
(c) Parallel efficiency of map reduce  
(d) Platform as a service  
(e) Dev 2.0 in the cloud for enterprises.