14857

MCA 4th Semester Examination

Cloud Computing

MCA-E45

Time : 3 Hours   Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all. Question no. 9 in Section E is compulsory. Rest, attempt one question each from each of the Sections A, B, C & D.

SECTION - A

1. What is cloud computing? Explain its characteristics. Discuss various components of cloud computing.   (10)

OR

2. Discuss SAAS, PASS and IAAS and compare them.   (10)

SECTION - B

3. What is AJAX? Discuss its asynchronous rich interfaces. Also discuss mashup user interface services.   (10)

OR

4. What are multitenant softwares? Discuss multischema approach to multitenancy.   (10)

SECTION - C

5. Discuss map-Reduce in details.   (10)

OR

6. Discuss issues with (a) intercloud environment (b) QoS in cloud. (10)

SECTION - D

7. What is a micro-architecture? Discuss identity management and access control-identity management. (10)

OR

8. Write down the features and functions of Nimbus and T Platform. (10)

SECTION - E

9. Write brief short notes on the following:

(a) Cloud service

(b) Deployment of service on cloud

(c) Utility computing

(d) SOAP

(e) Sky computing

(f) Virtualization

(g) QoS on cloud

(h) Secure communication ini cloud. (8×2.5=20)