Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 2

Total No. of Questions : 09

MCA (2015 & Onward) (Sem.–6)
CLOUD COMPUTING
Subject Code : MCA-602
M.Code : 74756

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

1. What is a Cloud? What are the characteristics of a Cloud? Discuss the uses of clouds in detail.

2. How do you compare Cloud with Grid and other computing systems?

SECTION-B

3. What is Virtualization in Clouds? Discuss the characteristics of server virtualization and application virtualization. What are the applications and pitfalls of virtualization?

4. Discuss the various cloud service model architectures.

SECTION-C

5. Discuss the various cloud deployment scenarios in detail.

6. What are the various security risks to a cloud? Discuss the cloud computing security architecture in detail.

SECTION-D

7. What are the different cloud computing platforms available today? Discuss and compare the features of all.

8. Discuss in detail the services offered by Google cloud platform.

SECTION-E

9. Write briefly :

a) What are the components of a cloud? b) Define Big Data. c) What are the driving factors towards clouds? d) What is cloud load balancing? e) What is identity management? f) What are Hypervisors? g) Define API. h) What do you mean by cloud management? i) What is a virtual cloud? j) How clouds are integrated with mobile computing?