2123
M.E. Computer Science and Engineering (Cyber Security)
First Semester
Paper- Core - III CSN-8103: Cloud Computing and Big Data

Time allowed: 3 Hours   Max. Marks: 50

NOTE: *Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.*

x-x-x

I.   Attempt the following:-

   a)   Compare different types of clouds.

   b)   What are the essential characteristics of cloud computing?

   c)   How does identity management take place in cloud computing?

   d)   What do you mean by autonomic security?

   e)   Compare Software-as-a-Service (SasS) and Platform-as-a-Service (PaaS)?

                                                                     (5x2)

UNIT - I

II.   a) How has computing changed the future of Internet? Justify your response with examples.

   b) Compare various delivery models of cloud computing using suitable real-world examples.   (2x5)

III.   a) How does cloud computing security differ from traditional cyber security? Explain using real-life examples.

   b) Discuss major cloud security risks and how can these be managed?   (2x5)

IV.   a) What are various threats to infrastructure in cloud computing? Discuss with suitable examples.

   b) What are various risks associated with data and access control in cloud computing? Discuss using real-world examples?   (2x5)

UNIT - II

V.   a) How is security policy implemented in cloud computing? Illustrate using real-life examples.

   b) Analyse and compare various components in cloud computing security architecture using real-world examples.   (2x5)

                                                                     P.T.O.

VI. a) How are cloud-based database solutions different from others? Show using real life examples.

b) Illustrate File Storage in cloud computing using suitable examples. (2x5)

VII. a) How is social media used collaborations in the cloud? Discuss using examples.

b) How can web logs help in collaborations in the cloud? Explain using examples. (2x5)

x-x-x