[6120]-115
M.C.A. - II (Management)
IT - 35 : CLOUD COMPUTING
(Revised) (2020 Pattern) (Semester - III)

Time : 2½ Hours]   *[Max. Marks : 50*
Instructions to the candidates:
  1) *All questions are compulsory.*
  2) *Draw neat diagrams where necessary.*
  3) *Give proper assumptions.*
  4) *Figures to the right indicate full marks.*

Q1) a) Explain the characteristics of cloud service models.   **[5]**

   b) Differentiate between cloud computing and Grid computing.   **[5]**

                                    OR

   a) Explain various cloud deployment models.   **[5]**

   b) Differentiate between cloud computing and cluster computing.   **[5]**

Q2) a) What is hypervisor? Explain Type 1 hypervisor.   **[4]**

   b) What is virtualization? Explain the characteristics of virtualization. **[4]**

                                    OR

   a) Explain Xen Para Virtualization.   **[4]**

   b) List out the pros and cons of virtualization.   **[4]**

Q3) a) Explain the different components of web services?   **[4]**

   b) What is SOA? Explain the advantages of SOA.   **[4]**

                                    OR

   a) Explain the concept of cloud Bursting.   **[4]**

   b) What is SLA in cloud computing.   **[4]**

Q4) Analyze that Edge computing is more beneficial than any cloud computing system. Justify with a suitable example. **[8]**

OR

Suggest the cloud computing architecture for Pharma Industry with proper Justification. **[8]**

Q5) a) Analyze the data migration process, suggest the various Issues in Inter cloud computing with cloud migration process. **[8]**

b) Suggest the Security and Privacy mechanism for designing an effective cloud environment for retail Industry. **[8]**

OR

a) Apply cloud concept for hotel Industry. Define the cloud architecture with level of services. **[8]**

b) An IT company decides to provide free access to a public cloud dedicated to higher education. Which cloud delivery model is suitable and why?**[8]**