

OCT/NOV 2023

Total No. of Questions : 5]

SEAT No. :

**P8068**

[Total No. of Pages : 2

[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]

*P.T.O.*

**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]

