

K22P 0051



Reg. No. :

Name :

VI Semester M.C.A./M.C.A. (Lateral Entry) Degree (CBSS – Reg./Supple./Imp.)
Examination, May 2022
(2016 to 2019 Admissions)
MCA6E17 : CLOUD COMPUTING

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **any ten** questions. **Each** question carries **three** marks. **(10×3=30)**

1. What is cloud computing ?
2. State the advantages of cloud service deployment.
3. What are the features of virtualization ?
4. What is cloud provisioning ?
5. What is the use of Google file system ?
6. How do you partition a single physical cluster into multiple virtual clusters ?
7. What are the mapping applications ?
8. Explain in brief, how cloud helps reducing capital expenditure ?
9. Define Map Reduce computation.
10. Define heart beat in Hadoop ? What are the advantages of heart beat ?
11. Define Risk Management.
12. List three public clouds offering of PaaS.

P.T.O.



SECTION – B

Answer **all** questions. **Each** question carries **ten** marks. **(5×10=50)**

13. a) Explain the system models for distributed and cloud computing. **10**
OR
b) Discuss the various features, characteristics and components of cloud computing system. **10**
14. a) i) Describe the different types of virtualization implementation. **5**
ii) Enlist and explain some of the pitfalls that come with virtualization. **5**
OR
b) What is virtualization? Explain pros and cons of virtualization. **10**
15. a) Explain the Security challenges in cloud computing in detail. **10**
OR
b) What are the various services provided by the cloud to the end user and what are its advantages? **10**
16. a) What is Hadoop? With neat diagram, explain the architecture of Hadoop in detail. **10**
OR
b) Explain the various types of cloud storage with neat diagram. **10**
17. a) List and explain various programming technologies required for cloud application development. **10**
OR
b) Discuss about client server distributed architecture for cloud application development. **10**