

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE) (2011 Onwards E-III) (Sem.-7,8)

**CLOUD COMPUTING**

Subject Code : BTCS-912

M.Code : 71904

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION-A****Answer briefly :**

1. What is Cloud Computing replacing?
2. Is Pay Per Use a cloud computing pricing model?
3. What is the major concern about cloud computing?
4. Which company is a leader in cloud computing?
5. Is Hardware as a Service a major type of cloud computing usage?
6. Is Internet connection necessary for cloud computing interaction?
7. "Cloud" in cloud computing represents, what?
8. Does public cloud model meets security and auditing requirements for highly regulated industries.
9. Who manages the Resources and infrastructure in a public cloud model?
10. What are the features of IBM Smart cloud?

### SECTION-B

11. How to manage resources in inter cloud? Explain.
12. Write a note about global exchange of cloud resources.
13. An enterprise needs highly controlled storage and access to their databases as well as managing the infrastructure for web front ends and other applications. They have a large existing IT infrastructure and they are continually expanding the capabilities. Which cloud computing model will satisfy all their current needs and enable them to reduce cost? Discuss.
14. A company has decided to leverage the web conferencing services provided by a cloud provider and to pay for those services as they are used. The cloud provider manages the infrastructure and any application upgrades. This is an example of which type of cloud delivery model? Explain reasons for that
15. Which delivery model is an example of a cloud computing environment that provides users with a web based e-mail service? Explain.

### SECTION-C

16. Compare the characteristics of PaaS and SaaS.
17. Explain the virtualization structures. How to virtualize CPU? Explain.
18. Explain the layered cloud architecture development with its design challenges.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**