U.S.N

P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belagavi)
First Semester, M. Tech - Computer Science and Engineering (MCSE)
Semester End Examination; Jan. -2020
Cloud Computing

Time: 3 hrs   *Max. Marks: 100*

Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.

UNIT - I

1 a.	Identify any five attributes for delivering of computing services.	10
b.	Explain the various characteristics shared by network-center and network contact feature.	10
2 a.	Define middleware. Address its set of desirable properties to support distributed system.	12
b.	Explain the various components of windows azure with necessary sketch.	8

UNIT - II

3 a.	Address the various challenges of cloud computing.	10
b.	Justify how security is a critical part in cloud by testing batch processing application list.	10
4 a.	Construct a model for Grep the web application by stating amazon services.	12
b.	Define loosely coupled workloads. Address Big Job resources allocation in azure platform.	8

UNIT - III

5 a.	Explain the process of HLL code translation for a specific architecture and operating system with suitable hierarchy.	10
b.	Summarize the concept of full and para virtualization.	10
6 a.	Construct a model for Xen X86 architecture by addressing Xeno Linix, Xeno BSD, Xeno XP.	10
b.	Compare the following with necessary diagram: i) Xen Original architecture ii) Xen Optimized architecture	10

UNIT - IV

7 a.	Explain in brief various cloud resource management policies.	10
b.	Explain the structure of an optimal controller.	10
8 a.	Address any three instability of control system.	10
b.	Summarize the following: i) Fair queuing ii) Start time Fair queuing	10

UNIT - V

9 a.	Explain in brief the surfaces of attacks in cloud computing.	10
b.	Discuss in detail any four widely accepted fair information practices.	10
10 a.	Discuss the various steps involved in launching an EC2 Linux instance and connecting.	12
b.	Explain the installation process of simple notification service on Ubuntu 10.04.	8

* * *