

**R18**

**Code No: 157AW**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech IV Year I Semester Examinations, February/March - 2022**

**CLOUD COMPUTING**

**(Common to CSE, IT)**

**Time: 3 Hours**

**Max. Marks: 75**

**Answer any Five Questions  
All Questions Carry Equal Marks**

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1. In detail, explain the following computing paradigms
  - a) Mobile Computing
  - b) Cluster Computing.

[7+8]
- 2.a) Explain the need and features of cloud computing.  
b) Enumerate the differences between nano computing and optical computing. 

[8+7]
- 3.a) Explain cloud computing with perspective as a platform.  
b) Discuss about the four cloud deployment models. 

[7+8]
- 4.a) Explain the principles of cloud computing.  
b) Explain the service-platform-infrastructure (SPI) model of the cloud. 

[7+8]
5. With a neat diagram, explain the components in the anatomy of the cloud. 

[15]
- 6.a) Explain the different phases of cloud migration.  
b) Discuss about network connectivity in cloud computing. 

[8+7]
- 7.a) What is Software-as-a-Service (SaaS)? Explain the characteristics of SaaS.  
b) Explain the pros and cons of IaaS. 

[8+7]
8. Write Short notes on:
  - a) SAP HANA Cloud Platform
  - b) VMware.

[7+8]

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