Code No: 157AW

<div align="right">**R18**</div>

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, July/August - 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.a) Differentiate between cluster computing and cloud computing.
  b) Explain in detail about optical and Nano computing.   [5+10]

2. What is high performance computing? How to achieve it? Explain different technologies used to achieve high performance computing.   [15]

3.a) Define cloud computing? Explain, how Cloud computing is used as platform.
  b) What are the five essential characteristics of cloud computing? Discuss.   [5+10]

4. Discuss in detail about different deployment models of cloud.   [15]

5.a) Explain about network connectivity in cloud computing.
  b) Discuss about applications in cloud.   [7+8]

6.a) Discuss the phases involved in migrating a cloud.
  b) Explain how cloud applications are managed.   [7+8]

7.a) Discuss in detail about characteristics, suitability, pros and cons of IaaS.
  b) Discuss about examples of IaaS providers and range of services they offer. [10+5]

8.a) Explain briefly about Captiva Cloud Toolkit.
  b) What is virtualization? Explain about virtualization services provided by SAP. [5+10]

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