**Code No: 157AW**

**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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