SPRING MAKEUP MID SEMESTER EXAMINATION-2023

School of Computer Engineering
Kalinga Institute of Industrial Technology, Deemed to be University
Cloud Computing
[IT 3022]

Time: 1 1/2 Hours   Full Mark: 20

All Questions are compulsory.
The figures in the margin indicate full marks. Candidates are required to give theiranswers in their own words
as far as practicable and all parts of a question should beanswered at one place only.

1.   Answer all the questions.   [1 x 5]

   a) What is the difference between cloud computing and traditional computing?

   b) List out the technologies used in cloud computing.

   c) Compare and contrast public cloud and private cloud deployment models?

   d) What is the meaning of the terms "resource pooling" and "rapid elasticity" in cloud computing?

   e) What are the implications of cloud computing on the traditional IT infrastructure?

2.   What are the key characteristics of cloud computing? Discuss how they contribute to the scalability and flexibility of cloud-based systems. Provide real-world examples that uses characteristics of cloud computing for growing of their business.   [5 Marks]

3.   What is the architecture of a cloud computing system? Explain the key components of a cloud computing system. Discuss the benefits of using a cloud computing system over other computing system.   [5 Marks]

4.   Compare and discussed the fundamental concepts, needs, advantages, and disvantages of different service models in cloud computing. Provide a case study or a real-time example of each of the service model.   [5 Marks]

*** Best of Luck ***