Semester: 6th
Subject Name:- Cloud Computing & Code:-IT3022
Branch (s): - All

# SPRING 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**

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*Answer any four Questions including Q.No.1 which is Compulsory.*
*The figures in the margin indicate full marks. Candidates are required to give their answers in their own*
*words as far as practicable and all parts of a question should be answered at one place only.*

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

   a)  What is a hybrid cloud? How can hybrid clouds help enterprises?

   b)  Describe the notion of elasticity within cloud computing and highlight how it differs
       from scalability.

   c)  What are the main reasons for the necessity of cloud computing?

   d)  Briefly describe the NIST characteristics of cloud computing.

   e)  List out the actors of the cloud computing environment.

2.    a. Compare and contrast cloud computing with traditional on-premises computing models,
highlighting the key differences between the two approaches.          [ 2.5 Marks ]

      b. What are the benefits of using cloud computing, and how has it impacted the IT industry?

                                                                        [ 2.5 Marks ]

3.    Explain the early technologies that played a significant role in the evolution of cloud computing
and how they influenced the development of businesses over time. Give the advantages and
disadvantages of each technology.                                      [ 5 Marks ]

4.    Explain in brief about different deployment models available in Cloud computing. Prepare a
comparative analysis of different deployment models based on the metrics like cost vs Security and
scalability Vs Control.                                                [ 5 Marks ]

5.    Explain the different service models in cloud computing. Discuss the key features, benefits, and
drawbacks of each service model, and provide examples/short case studies of popular services that fall
under each category.                                                   [ 5 Marks ]

*** Best of Luck ***