



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2024

Bachelor in Computer Applications
Course Title: Cloud Computing
Code No: CACS 402
Semester: VII

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

2. What is Hypervisor? Explain advantages and disadvantages of Type 2 Hypervisor. [1+4]
3. Describe the services provided under the cloud computing. [5]
4. Define Map-reduce. What are its uses? [1+4]
5. Differentiate between distributed computing and grid computing. [5]
6. Define Web Services. Explain on-demand resource Provisioning, Scalability and pay-as-you-go pricing model. [5]
7. What is bucket in Amazon simple storage service? How addressing of a bucket is done? [2+3]
8. Write short notes on (any two) [2.5+2.5]
 - a. Parallel Computing
 - b. PaaS
 - c. Microsoft Azure

Group C

Attempt any TWO questions.

[2×10 = 20]

9. Define cloud computing. Discuss the challenges and security issues in cloud computing environments. [2+4+4]
10. Explain the cloud deployment models in details with their benefits and limitations while implementing. [10]
11. Define Virtualization. Explain different types of virtualization with advantages and disadvantages. [2+8]