



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

Bachelor in Computer Applications

Course Title: Computer Fundamentals and Applications

Code No: CACS 101

Semester: I

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.~~ Utility software helps to maintain proper and smooth functioning of a computer system. Justify it with proper examples. [5]
- ~~3.~~ What is primary memory? Differentiate between static and dynamic RAM. [1+4]
- ~~4.~~ Define CLI and GUI based operating systems. Also explain type of operating system. [2+3]
5. What is internet protocol? Explain two different e-mail protocols. [1+4]
- ~~6.~~ Why do we need to use DBMS? How does relational model represent both data and relationship among those data? Explain. [2+3]
- ~~7.~~ What is DNS? Differentiate between intranet and extranet. [1+4]
- ~~8.~~ What is e-commerce? Explain the benefits of e-commerce. [5]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. a) What are the uses of word processing software? List and explain the major controls available in Layout tab of MS-word. [1+4]
b) Write DOS commands for the following tasks: [5]
 - i. To create two folders Folder1 and Folder2 at the current prompt directory
 - ii. To create files file1.txt in Folder1 and file2.txt in Folder2 directories
 - iii. To copy the content of file1.txt to file2.txt
 - iv. To rename the file File2.txt as CopiedFile.txt
 - v. To locate the IP address of your network
10. a) What is computer virus? List the symptoms of a computer virus in a computer system. Also explain the prevention techniques. [1+2+2]
b) What is the use of mask in Photoshop? Explain different controls available in Photoshop for editing an image. [1+4]
- ~~11.~~ Why do we need to use protocols while transmitting data on the network? Will it be secure to transfer data through the network? Explain OSI model in detail. [2+2+6]