



## **TRIBHUVAN UNIVERSITY**

### **Bachelors in Computer Application**

**Course Title: Computer Application and Fundamentals**

**Full marks: 60**

**Course Code No: CACS 101**

**Pass Mark: 24**

**Semester: I**

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

### **Group B**

**Attempt any SIX questions (6\*5=30)**

1. Utility software helps to maintain proper and smooth functioning of a computer system. Justify it with proper examples.
2. Describe the criteria for evaluation when purchasing a new laptop.
3. What is Open Source operating System? Explain major functions of Operating System.
4. What is a geographic information system? Describe its elements.
5. Write DOS commands with example to perform following tasks.
  - a) Retrieve the IP address of a specific website.
  - b) Move the files from one location to another.
  - c) Delete existing non-empty directory.
  - d) Search for a specific file or directory.
  - e) Check the available disk space on a driver.
6. What is DBMS? Explain the advantages of DBMS over flat-file system.
7. Compare and contrast between peer to peer and Client/Server network architecture.

### **Group C**

**Attempt any TWO questions (10\*2=20)**

8. Draw a block diagram of a digital computer and explain each unit in detail.
9. a) Explain memory hierarchy.  
b) What is layer in Photoshop? What are the main features and tools available in Photoshop?