Tribhuvan University

**Faculty of Humanities & Social Sciences OFFICE OF THE DEAN**

**2019**

**Bachelor in Computer Applications Full Marks: 60**

**Course Title: Computer Fundamentals & Applications Pass Marks: 24**

**Code No: CACS 101 Time: 3 hours**

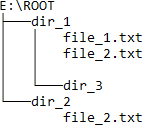
**Semester: 1st**

# 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. What is Operating system? Explain the major functions of Operating System. [1+4]
2. Differentiate between primary and secondary memory. [5]
3. What is computer virus? Explain symptoms of computer virus. [1+4]
4. Define database? Explain the advantages of database over file based system. [1+4]
5. What is proxy server? Write down the benefit of using proxy server in the organization. [5]
6. Define e-commerce? Mention the benefits of using it in the context of customer? [1+4]
7. Consider the following structure and answer the questions. (E:/> is current prompt)



* 1. Write down DOS command to create above files and directories. [2]
  2. Write down DOS command to move all text file into **dir\_3** directory. [1]
  3. Write DOS command to delete **dir\_1** directory. [1]
  4. Hide the **root** directory from E drive. [1]

# Group C

**Attempt any TWO questions. [2****10 = 20]**

1. (a) From the following spreadsheet, write the formula to address the following conditions:

ABC Company Kathmandu

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E | F | G | H | I |
| 1 | SN | Name | Addr | Post | Salary | Bonus | Tax | HA | Total |
| 2 | 1 | Ram | Ktm | Manager | 12000 |  |  |  |  |
| 3 | 2 | Sham | Pokhara | Accountant | 11500 |  |  |  |  |
| 4 | 3 | Hari | Pokhara | Engineer | 10000 |  |  |  |  |
|  | Maximum Salary | | | | ? |  |  |  |  |

Conditions:

1. Bonus will give 15% of salary If his/ her salary is less than and equal to 6000. [1]
2. Tax will pay 10% of salary if his/ her post is manager [1]
3. HA will get 5% of salary, if he/she is not from Ktm. [1]
4. Total is equal to the sum of (Salary, Bonus and Ha) by deducting the Tax [1]
5. Write a formula to find the maximum salary above the excel sheet. [1]

b) What is Photoshop? Explain five major tools of Photoshop. [1+4]

1. a) What is word processor? Explain the major functions available in the Home tab of word document. [5]

b) Define Network Topology? Write down the advantages of Network. [1+4]

1. a) What is animation? What are the advantages of using slide master in PowerPoint? [1+4]

b) Explain block diagram of computer and its various components. [5]