Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2018

Bachelor in Computer Applications   **Full Marks: 60**
Course Title: Computer Fundamentals and Application   **Pass Marks: 24**
Code No: CACS 101   **Time: 3 hours**
Semester: Ist

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

Group B

Attempt any SIX questions.   **[6×5 = 30]**

11. Define Computer. Explain the anatomy of digital computer with block diagram.

12. Define Operating System. Explain the functions of Operating System.

13. Define DBMS. Explain the different database models with their merits and demerits.

14. Explain the different types of LAN topologies with their advantages and disadvantages.

15. What is WWW? Differentiate between intranet, extranet and internet with exaple.

16. What are contemporary technologies? Explain any two contemporary technologies with roles.

17. Write the DOS commands to complete following tasks.

   a) Create sub directory theory and practical inside d:\exam\
   b) Create the file name *marks.txt* inside theory writing the content, "Theory marks in CFA".
   c) Rename the file name marks.txt with *CFAmarks.txt.*
   d) Make hidden the file *CFAmarks.txt.*
   e) Search the all files with .pdf extension.

Group C

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

18. i) You are provided following data:

Bageswori Secondary School
Surkhet
Mark - Ledger

	D	E	F	G	H	I	J	K	L	M
11	Name	Eng.	Nep.	Eco.	Sociology	Computer	Total	Percentage	Result	Division
12	Gautam	56	56	76	75	68				
13	Saru	67	54	64	64	76				
14	Binod	87	65	54	59	66				
15	Ritu	45	67	56	72	85				
16	Kabindra	89	34	63	59	52				

Write the formula in spread sheet package to calculate following on basis on given conditions:

      1.   Calculate Total marks. [1]

      2.   Calculate Percentage. [1]

      3.   Mark the student with either "PASS" or "FAIL" [Pass Marks 35]. [1.5]

      4.   Calculate the division [if percentage >=60 then First, if percentage >=45 and percentage <60 then Second, if percentage >=35 and percentage <45 then Third otherwise "xxx"] [1.5]

ii) Explain the features of Font control tools in word processing package. [5]

19.   i) Define computer peripherals. Differentiate between impact and non-impact printers.

[1 + 4]

ii) Define Presentation. Write the features of good presentation package. [5]

20.   Define CMYK color model. Explain the basic tools and transforms available in Photoshop. [2 + 5 + 3]