



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

Centre:

Symbol No:

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

Group A

Attempt all the questions.

$$[10 \times 1 = 10]$$

1. Circle (O) the correct answer.
 - i) Which one of the following is not a non-impact printer?
 - a) Inkjet
 - b) Dot-matrix
 - c) Laser
 - d) Thermal
 - ii) Which one of the following is the example of the utility software?
 - a) Anti-virus
 - b) Operating system
 - c) Language translators
 - d) Word Processor
 - iii) Which one of the following is not a Network Operating System?
 - a) Unix
 - b) Linux
 - c) Windows 7
 - d) Windows Server
 - iv) Which one of the following key is used to uniquely identify a row in table?
 - a) Composite key
 - b) Foreign Key
 - c) Candidate Key
 - d) Primary Key
 - v) Which one of the following layer of OSI reference model contains TCP protocol?
 - a) Network Layer
 - b) Transport Layer
 - c) Data Link Layer
 - d) Application Layer

-) vi) Which one of the following is not a web server?
 - a) Apache
 - b) IIS
 - c) GWS
 - d) HTTP
- iv) Which one of the following is a crypto-currency?
 - a) Credit Card
 - b) PayPal
 - c) Bit Coin
 - d) Mater Card
- v) Which one of the following command is used to shut down the computer normally?
 - a) shutdown /f
 - b) shutdown /s
 - c) shutdown /h
 - d) shutdown /r
- ix) What is the default font type in MS Word 2016?
 - a) Arial
 - b) Times New Roman
 - c) Calibri
 - d) Microsoft Sans Serif
-) x) Which one of the following key is used for help in MS – PowerPoint?
 - a) F1
 - b) F5
 - c) F6
 - d) F11



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

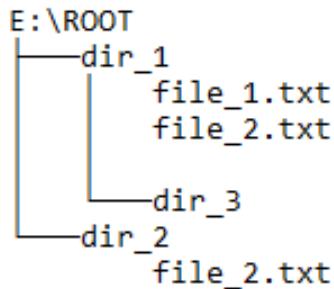
Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

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



- a) Write down DOS command to create above files and directories. [2]
- b) Write down DOS command to move all text file into **dir_3** directory. [1]
- c) Write DOS command to delete **dir_1** directory. [1]
- d) Hide the **root** directory from E drive. [1]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. (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]

10. 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]

11. 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]