



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2019

Bachelor in Computer Applications
Course Title: Computer Fundamentals & Applications
Code No: CACS 101
Semester: 1st

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Centre:

Symbol No:

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

Group A

Attempt all the questions.

[10×1 = 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 |



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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)

```
E:\ROOT
├── dir_1
│   ├── file_1.txt
│   └── file_2.txt
├── dir_3
└── dir_2
    └── file_2.txt
```

- 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]