

<b>Course Code</b>	<b>:</b>	<b>BCSL-013</b>
<b>Course Title</b>	<b>:</b>	<b>Computer Basics and PC Software</b>
<b>Assignment Number</b>	<b>:</b>	<b>BCA(1)/L-013/Assignment/2022-23</b>
<b>Maximum Marks</b>	<b>:</b>	<b>100</b>
<b>Weightage</b>	<b>:</b>	<b>25%</b>
<b>Last date of Submission</b>	<b>:</b>	<b>31<sup>st</sup> October, 2022 (For July Session)</b>
		<b>15<sup>th</sup> April, 2023 (For January Session)</b>

**Answer all the questions in the assignment which carry 80 marks in total. Rest 20 marks are for viva voce. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation. Make suitable assumption if necessary**

### **Section 1: Linux operating system**

**Q1. (a) Run the following (Linux commands and write the output) (10)**

- mkdir
- init
- ls –l
- chmod
- kill

**(b) Perform the following tasks in Linux (6)**

- (i) Display the first 10 lines and last 10 lines of a text file (you need to create a text file consisting around 50 lines)
- (ii) Identify all files in your home directory which a group has written permission on it.
- (iii) To count the no. of times word “*the*” has occurred in the text file.

### **Section 2: Power point**

**Q2. Create a Power Point Presentation on the important features of Windows OS (minimum 10 slides) (16)**

- (i) All slides should follow the common design format
- (ii) Add a video to at least one slide which can be run on full screen option
- (iii) All the slides should have timer based transition.
- (iv) All the slides should have perform heading and slide notes.
- (v) Each slide should have one image related to Windows operating system.

### **Section 3: Word Processing**

- Q3.** (a) Create multilevel month and week wise schedule for performing different academic tasks. Months should be numbered as A1.....to A12. Each month should be further broken into weeks numbered as W1...W4. For each week , academic activities such as attending counseling sessions, watching video lectures, etc., should be in numerical order(1,2,3...) (6)
- (b) Design a flyer for a COVID 19 vaccination campaign. Use different styles, sizes, fonts, colours and effects. (10)

### **Section 4: Worksheet**

- Q4.** Create a work sheet containing pricing information of a company which deals in sales of computers & computer peripherals. You are required to calculate discount, sales price (MRP- Discount) and profit margin(MRP-sales price) (16)

Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
Computer	C-1	24000.00	27000.00	-	-
Laser printer	C-2	4000.00	6000.00		
Filing cabinet	C-3	6500.00	7000.00		
27th monitor	C-4	2200.00	3000.00		
Mouse	C-5	430.00	500.00		

### **Section 5: Browsing and Discussion Forum**

- Q5.** Collaborate online (in a group) on Google docs to create a presentation on ‘Smart City Design’. All the group members should work on the presentation simultaneously from their respective machines. Use speaker notes for any online discussion and present a comprehensive report. (The report should comprise the latest amenities in the design of smart cities). (16)



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Course Title: Computer Basics and PC Software

Course Code: BCSL-013

Assignment No: BCA(1)/L-013/Assignment/2022-23

Study Centre: 9602

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Date: 10/31/2022

Signature

A handwritten signature in black ink, appearing to read 'ISHOWOR' or a similar name.

Q1. a) Linux commands.

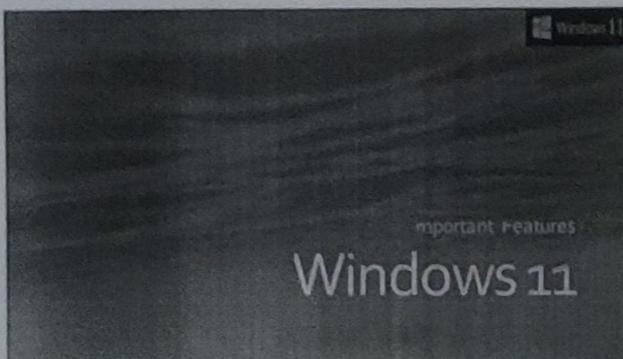
```
root@DESKTOP-KMHS39R:/home/dell# mkdir test-dir
root@DESKTOP-KMHS39R:/home/dell# cd test-dir
root@DESKTOP-KMHS39R:/home/dell/test-dir# nano
root@DESKTOP-KMHS39R:/home/dell/test-dir# ls
test-file.txt
root@DESKTOP-KMHS39R:/home/dell/test-dir# nano
root@DESKTOP-KMHS39R:/home/dell/test-dir# nano
root@DESKTOP-KMHS39R:/home/dell/test-dir# ls
file1.txt test-file.txt y
root@DESKTOP-KMHS39R:/home/dell/test-dir# mkdir newdir
root@DESKTOP-KMHS39R:/home/dell/test-dir# ls -l
total 160
-rw-r--r-- 1 root root 26041 Oct 30 22:04 file1.txt
drwxr-xr-x 1 root root 512 Oct 30 22:05 newdir
-rw-r--r-- 1 root root 26043 Oct 30 22:03 test-file.txt
-rw-r--r-- 1 root root 26043 Oct 30 22:05 y
root@DESKTOP-KMHS39R:/home/dell/test-dir# chmod -w file1.txt
root@DESKTOP-KMHS39R:/home/dell/test-dir# ls -l
total 160
-rw-r--r-- 1 root root 26041 Oct 30 22:04 file1.txt
drwxr-xp-x 1 root root 512 Oct 30 22:05 newdir
-rw-r--r-- 1 root root 26043 Oct 30 22:03 test-file.txt
-rw-r--r-- 1 root root 26043 Oct 30 22:05 y
root@DESKTOP-KMHS39R:/home/dell/test-dir# ps
 PID TTY      TIME CMD
 45 ttys000  00:00:00 init
 115 ttys000  00:00:00 sudo
 116 ttys000  00:00:02 bash
1937 ttys000  00:00:00 ps
root@DESKTOP-KMHS39R:/home/dell/test-dir# kill 116
```

Commands  
are run  
simultaneously  
and output  
is screened.

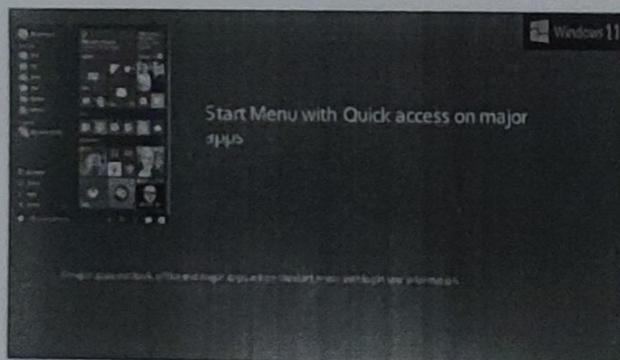
```
i) /home/dell/test-dir# find -perm /u+w,g+w  
./newdir  
./test-file.txt  
/y  
  
ii) [REDACTED]  
440  
[REDACTED] '[:space:]' '/[^\n]' < test-file.txt | grep -E 'the  
[REDACTED]
```

- i) A test-file.txt file is created with more than 50 lines.  
head test-file.txt command is executed for first 10 lines  
tail test-file.txt command is executed for last 10 lines.
  - ii) Command screen shot is screened.
  - iii) Command screen shot is screened.

## Q.N.2 Powerpoint Presentation.



Heading and  
sub heading



Image, Image description  
Description of feature

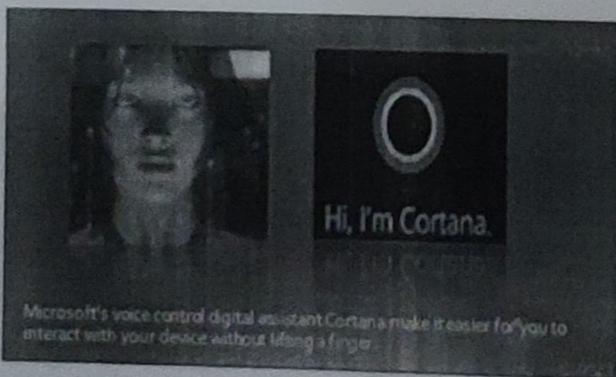
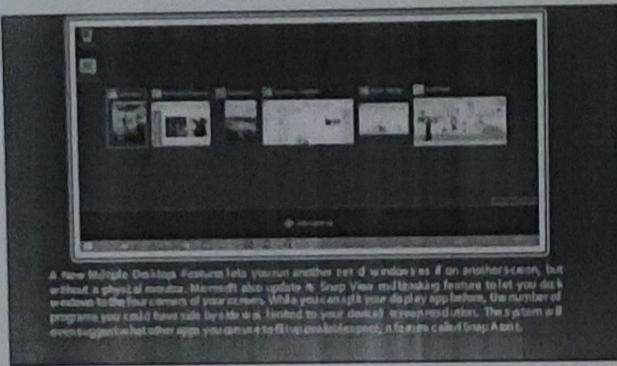


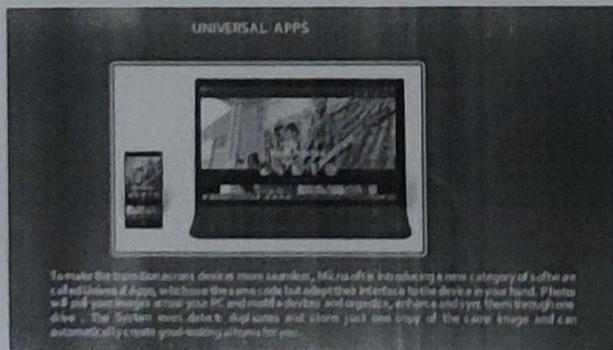
Image 1 / Image 2  
Cortana.

Description of feature



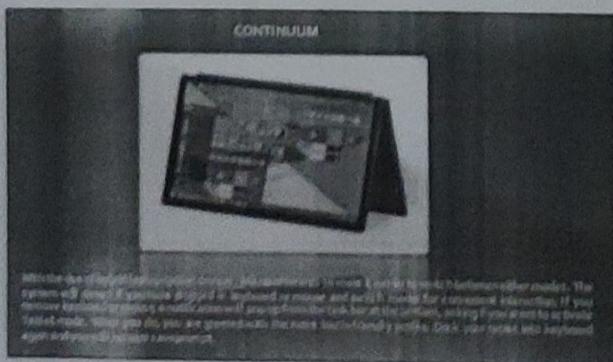
Image

Description



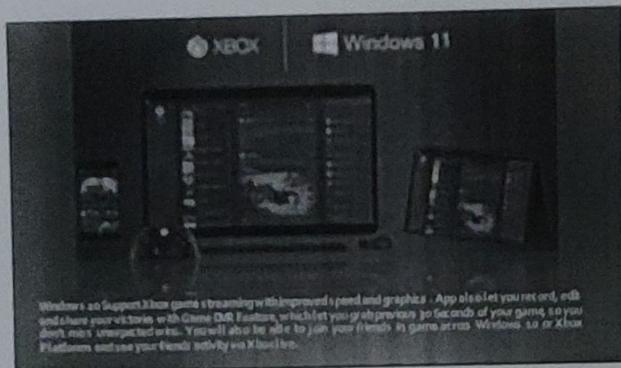
Image

Description



Image

Description



Image

Description.



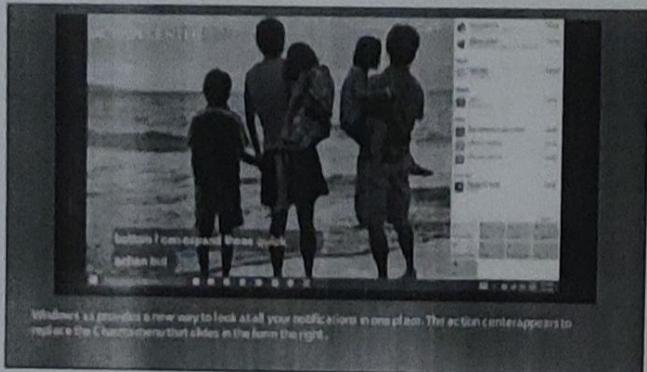
Image

Description



Image

Description.



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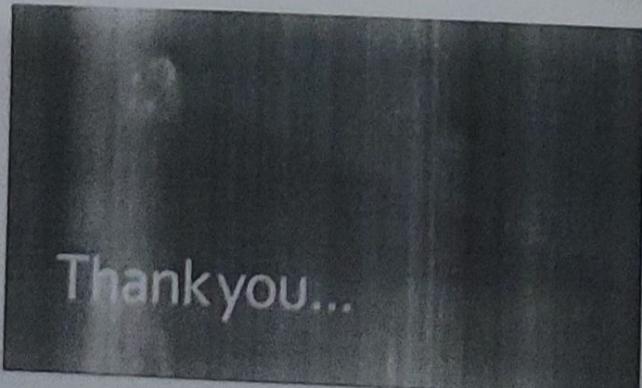
Video  
featuring all

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Q. 3. a)

- A1. January
  - W1
    1. Counselling Session
    2. Watching Video Lecture
    3. Guest Lecture
    4. Presentation day
  - W2
    1. Sports Week
    2. Prize distribution
    3. Lecture Day
    4. Lab works
  - W3
    1. Company Visit
    2. Lecture day
    3. Lab Assignment Submission
  - W4
    1. Exam Form Submission
    2. Lab works
    3. Counselling Session
- A2. February
  - W1
    1. Counselling Session
    2. Watching Video Lecture
    3. Guest Lecture
    4. Presentation day
  - W2
    1. Sports Week
    2. Prize distribution
    3. Lecture Day
    4. Lab works
  - W3
    1. Company Visit
    2. Lecture day
    3. Lab Assignment Submission
  - W4
    1. Exam Form Submission
    2. Lab works
    3. Counselling Session
- A3. March
  - W1
    1. Counselling Session
    2. Watching Video Lecture
    3. Guest Lecture
    4. Presentation day

- o W3
  - 1. Company Visit
  - 2. Lecture day
  - 3. Lab Assignment Submission
- o W4
  - 1. Exam Form Submission
  - 2. Lab works
  - 3. Counselling Session

Bulleting and listing  
are used to list all the schedule.

(Q.B. b)

## COVID 19 Vaccination Campaign

Protect yourself, your family, and your loved ones.

*As part of the COVID-19 Vaccine Equity Initiative, we are offering free COVID-19 vaccines to people and communities who have been hardest hit by the pandemic.*



**Date:** 21 Nov 2022

**Time:** 10 am to 4 pm

**Location:** Health Post (Shiva Chowk, Gokarneshwor-7)

What you need to know:

- Wear a mask when you get your vaccine.
- You do not need an ID or health insurance to get a vaccine.
- The vaccine is free for everyone.

#### Q.4. Excel sheet.

Product	Product Code	Manufacturing Cost	MRP	Discount(10%)	Sale Price	Profit Margin
Computer	C-1	24000	27000	2700	24300	2700
Laser Printer	C-2	4000	6000	600	5400	600
File Cabinet	C-3	6500	7000	700	6300	700
27th Monitor	C-4	2200	3000	300	2700	300
Mouse	C-5	430	500	50	450	50
Key board	C-6	450	520	52	468	52
Laptop	C-7	50000	65000	6500	58500	6500
Scanner	C-9	18000	20000	2000	18000	2000

Discount = 10%\*MRP

Sale Price = MRP - Discount

Profit Margin = MRP - Sales Price