|   |          |   | Cour   | SE CUR  | RICULUM  |  |   |
|---|----------|---|--|---|--|--|---|
| Pro   | ogra     | <b>- A: Introdu</b><br>m: Bachelor in Co  | mputer Application   | 1 9   | Semester - I   | Session: 2024-202  | 1.5                                     |
| (Ce   |          | ate / Diploma / De  | gree/Honors)   |   |  |  |   |
| 1   | Cor      | irse Code   | CAGE-01T   |   | LAMO - FF - o  |  | *************************************** |
| 2   | Cor      | irse Title  | Computer Fund  |   |  |  |   |
| 3   | Co       | irse Type   | DGE (Discipline  | Generic E   | lective)   |  |   |
| 4   | Pre      | As per program  After Completing this course, students will be able to:   |  |   |  | and the second of the second of the  |   |
| 5   | Co<br>Ot | urse Learning<br>tcomes (CLO)   | <ul> <li>Study and u</li> <li>Organize f</li> <li>Acquire kn</li> <li>Develop in advance</li> <li>Acquire kn</li> </ul>  | use of basic c<br>iles and docu<br>nowledge of I<br>nformation te<br>trends of IT<br>nowledge of I  | oncepts and to<br>ments on stor<br>CT and Interr<br>chnology sol   | erminology of information technicage devices. The applications applications by evaluating user requivers.  S-PowerPoint and MS-Access.   | irement                                 |
| 6   | Cr       | edit Value  | 3 Credits  |   | 15 Hours -   | Learning & Observation Min Passing Marks:  | 10                                      |
| 7   | To       | tal Marks   | Max. Marks:  | 100   | and the second s | Will Passing Walks.  |   |
| ΣΔ  | RT       | -B: Conten  | t of the Cou   | ırse  |  | ind) 45 Poriods (45 Ho   | nirs)                                   |
|   |          | Total No. of Tea  |  |   | rse conten   | eriod) - 45 Periods (45 Ho   | No. o<br>Perio                          |
| each Unit, Memor<br>System Software an<br>Language, Assem<br>disadvantages, Lar<br>Fundamental of I<br>Application of IT,<br>Advanced Trends<br>Nanotechnology,<br>Intelligence (AI), I<br>Suite, GoI digital i<br>Academic Deposit   |          |   | puter: Block Diagry: Primary, Cachand Application Sombly Language, nguage Processors Information Tecl, What is ICT?, Cas in IT: Cloud Te Virtual Reality, Machine Learning | gram, Centra<br>ne, Flash, S<br>oftware, Typ<br>High Lev<br>s/Translator<br>nnology: D<br>omponents<br>chnology, V<br>3-D Printing (ML), Cloter | oftware and pes of Progravel Languages: Assemble at a and Infof ICT, Imparitual LANing, Internet and Computing SWAYAM  | g Unit (CPU): Function of its needs, Types of S/W: mming Language: Machine ge their advantages and r, Interpreter and Compiler, formation, Concept of IT, act of ICT in Society. Technology, M-Commerce, of Things (IoT), Artificial ag, Quantum Computing, G-1, Swayam Prabha, National, Sodh-Sindhu, Virtual labs, |   |
| new document, Sa<br>Setting fonts, Paragr<br>Heading2, Title, Str<br>special. Insert Tab:<br>Art, Equation and Sy<br>(indent and spacing).  |          | ent, Saving documents, Opening and Printing documents. Home Tab Paragraph settings, Various styles (Normal, No spacing, Heading litle, Strong), Find & Replace, Format painter, Copy paste and paster Tab: Pages, Tables, Pictures, Clipart, Shapes, Header & Footer, Word and Symbols. Page Layout Tab: Page setup, Page Background, Paragraph pacing). Mailing Tab: Create Envelops and Labels, Mail Merge. Review and Grammar check, New comment, Protect document, View Tablews, Zoom, Window (New window, Split, Switch window). |  |   |  | 11   |   |
| MS-Excel: Introducing Excel, Use of Excel sheet, creating new sheet, Saving, Opening and Printing workbook. Home Tab: Font, Alignment, Number, Styles and cells and editing, Conditional Formatting. Insert Tab: Table, Charts (column chart, Pie chart, Ba chart, Line chart) and Texts (header & footer, word art, signature line). Page Layout Tab |          |   |  |   | r I  |  |   |

Page setup options, Scale to fit (width, height, scale). Formulas Tab: Auto sum (sum, average, min, max), Logical (IF, and, or, not, true, false), Math & Trig (sin, cos, tan, ceiling, floor, fact, mod, log), Sort and Filter options, Data validation, Group and ungroup. Review Tab: Protect sheet, Protect workbook, and Share workbook. View Tab: Page breaks, Page layout, Freezing Panes, Split and hide. Working with PowerPoint and MS-Access

IV

PowerPoint: Introducing PowerPoint, Use of PowerPoint presentation, Creating new slides saving, Opening and printing. Home Tab: New slide, Layout, Reset, Delete, Setting text direction, Align text, Convert to smart art, Drawing options. Insert Tab: Table, Picture, Clipart, Photo album, Smart art, Shapes and chart, Movie and sound, Hyperlink and action, Text box, Word art, Object. Design Tab: Page setup options, Slide orientation, Applying various themes, Selecting background style and formatting it. Animations Tab: Custom animation for entrance, Exit and emphasis, Applying slide transition, Setting transition speed and sound, Animation on rehearse timing. Slideshow & View Tab: Start slide, Show options, and Setup options. View tab: Presentation views, Colors and Window option.

MS-Access: Introduction to DBMS, features of DBMS, creating blank databases, Saving it in accdb format, Defining data type in MS Access, Creating tables, creating

reports, query wizard. Information Technology (IT), Information and Communication Technology (ICT), G-Suite, MS Word, MS Excel, MS Power Point, MS-Access.

Name and Signature of Convener & Members of CBoS:

Dr. 17-5:410Fa

Cheurman

ANJECTA KUJU

11

#### Learning Resources PART-C:

Text Books, Reference Books and Others

## Text Books Recommended:

- Computer Fundamentals, P.K. Sinha, BPB Publication, Sixth Edition.
- Fundamentals of Information Technology, Chetan Shrivastava, Kalyan Publishers.
- Fundamentals of Computers, V. Rajaraman, PHI Sixth Edition.
- Computer Fundamentals and Office Automation, Dr. Santosh Kumar Miri, Iterative International
- Computer Fundamentals Architecture and Organization, B. Ram, New Age International Publishers, Fifth Edition.
- Fundamentals of Information Technology, Alexis Leon and Mathews Leon, Vikash Publication.

## Reference Books Recommended:

- Introduction to Information Technology, V. Rajaraman, PHI publication.
- Fundamental of IT, Leon and Leon, Leon Tec world.
- Introduction to Information Technology, Aksoy and Denardis, Cengage learning.
- Computers Today, Suresh K. Basandra, Galgotia Publications.
- Information Technology The breaking wave, Dennis P.Curtin, Kim Foley, Kunai Sen and Cathleen Morin, TMH.
- OFFICE 2013 in Simple Steps, Kogent Solution Inc., DremTech Press.
- Access 2010 in Simple Steps by Kogent Learning Solutions Inc.

#### Online Resources:

- Introduction to Computer Fundamental from W3school: https://www.w3schools.blog/computer-fundamentals-tutorial
- Introduction to MS-Word from W3school: https://www.w3schools.blog/ms-word-tutorial
- Introduction to MS-Excel from W3school:
  - https://www.w3schools.com/excel/excel introduction.php
- Introduction to MS-PowerPoint from W3school: https://www.w3schools.blog/powerpoint-tutorial
- Introduction to MS-Access from W3school: https://www.w3schools.com/sql/sql\_ref\_msaccess.asp
- Fundamentals of Computers & Information Technology (in Hindi):
- https://www.mcu.ac.in/wp-content/uploads/2020/04/1PGDCA1-Unit-I-Fundamentals-of-Computers-Information-Technology.pdf.
- Fundamentals of Computers & Information Technology (in Hindi): https://hte.rajasthan.gov.in/dept/dte/board\_of\_technical\_education, rajasthan/government\_polyte chnic college hanumangarh/uploads/doc/fundamental- final-rkd.pdf.
- Information and Computers Technology: <a href="https://cbseacademic.nic.in/web\_material/doc/2014/11">https://cbseacademic.nic.in/web\_material/doc/2014/11</a> ICT-IX.pdf.pdf.
- Microsoft Office (in Hindi): https://www.scribd.com/document/534988849/9-Microsoft-office-in-hindi-www-GkNotesPDFcom.
- MS-OFFICE:
  - https://www.rgycsm.org/uploads/books/MICROSOFT-OFFICE-BOOK.pdf.
- MS-OFFICE: Hindi Notes: https://www.copaguide.com/2020/04/ms-office-topics.html.
- Microsoft Office Full Crash Course:
- https://www.youtube.com/watch?v=SH4oyV5AJ6A

|   | <ul> <li>https://www.youtt</li> </ul>                           | ibe.c        | om/waten: v=31146y v 57136  |                    |   |
|---|---|--------------|---|--------------------|---|
|   |   |              | ent and Evaluation  | on                 |   |
|   | Suggested Continuous<br>Maximum Marks:                          |              | 100 Marks   |                    |   |
|   | Continuous Internal A   |              |   |                    |   |
|   | End Semester Exam (I  | ESE)         | : 70 Marks  |                    | I at fitter two Toot /  |
|   | Continuous Internal<br>Assessment (CIA):<br>(By Course Teacher) |              | Internal Test / Quiz-(2): 20<br>Assignment / Seminar -<br>Total Marks - | 0 & 20<br>10<br>30 | Better marks out of the two Test /<br>Quiz obtained marks in Assignment<br>shall be considered against 30 Marks |
|   | End Semester<br>Exam (ESE):                                     | Sect<br>Sect | tion B: Descriptive answer ty   | pe qts.,1          | urk; Q2. Short answer type- 5x4 = 20 Marks out of 2 from each unit-4x10=40 Marks                                |
|   | Name and Signature of   | Conv         | vener & Members of CBoS.  | · Ca               | a) = 10 = 8m  |
|   | Dr. H.S. Hola Kie   | 20           | Jack Dr   | m _                | - Mh/ Line  |
| 1 |   |              |   | 1                  |   |

John Swrest Thakler

| P                      | ART- A: Intro                                  | duction  |                  |                         |  |  |
|------------------------|--|--|------------------|-------------------------|--|--|
| Pr                     | ogram: Bachelor of<br>ertificate / Diploma / L | Computer Application   | Semester - I     | Session: 2024-2025      |  |  |
| 1 Course Code CAGE-01P |  |  |                  |                         |  |  |
| 2                      | Course Title                                   | Lab 1: MS-Office   |                  |                         |  |  |
| 3                      | Course Type                                    | Practical  |                  |                         |  |  |
| 4                      | Prerequisite                                   | As per program   |                  |                         |  |  |
| 5                      | Course Learning<br>Outcomes (CLO)              | <ul> <li>After Completing this course, students will be able to:</li> <li>Gain Practical knowledge of MS-Office.</li> <li>Organize files and documents on storage devices.</li> <li>Acquire knowledge of ICT and Internet applications.</li> <li>Develop information technology solutions by evaluating user requirements in advance trends of IT.</li> <li>Acquire knowledge of MS-Excel, MS-PowerPoint and MS-Access.</li> </ul> |                  |                         |  |  |
| 6                      | Credit Value                                   | 1 Credits   Credit = 30 Hou  | rs Laboratory or | Field Learning/Iraining |  |  |
| 7                      | Total Marks                                    | Max. Marks: 50   | Min Passing N    | Iarks: 20               |  |  |

| PART -B: Content of the Course  Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)  List of Experiments   |   |  |  |  |  |
|--|---|--|--|--|--|
|  |   |  |  |  |  |
| Spam and Trash labels.  2. How to design Google form? Write the steps with appropriate windows.  |   |  |  |  |  |
| <ul><li>3. How to create different student classes in Google classroom.</li><li>4. How do teachers create assignments and provide due dates, or grades in Google</li></ul> | e |  |  |  |  |
| Classroom?  5. How do students find assignments, due dates, or grades in Google Classroom?  5. How do students find assignments, due dates, or grades in Google Classroom? |   |  |  |  |  |

## MS-Word

9. How to share files between mobile phone and computer system/Laptop using

- 1. Prepare a grocery list having four columns (Serial number, the name of the product, quantity and price) for the month of April, 06.
  - > Font specific actions for Title (Grocery List):14-pointArialfontinboldanditalics.
  - > The headings of the columns should be in12-point and bold.

6. How to use social media platforms like twitter, Facebook and YouTube? 7. How to use social media platforms like Flickr, Skype, yahoo and WhatsApp?

8. How to use Google spreadsheets, Google Slides and Google forms?

Bluetooth.

> The rest of the document should be in10-point Times New Roman.

- > Leave a gap of 12-points after the title.
- Create a telephone directory.
  - The heading should be16-point Arial Font in bold.
  - The rest of the document should use10-point font size.
  - Other headings should use10-point Courier New Font.
  - The footer should show the page number as well as the date last updated.
- 3. Design a time-table form for your college.
  - > The first line should mention the name of the collegein 16-point Arial Font and should be bold.
  - > The second line should give the course name/teacher's name and the department in 14-point Arial.
  - > Leave a gap of 12-points.
  - > The rest of the document should use 10-point Times New Roman font.
  - > The footer should contain your specifications as the designer and date of creation.
- 4. XYZ Publications plan store lease an e-book design dapper your syllabus. Design the First page of the book as per the given specifications.
  - > The title of the book should appearinboldusing20-pointArialfont.
  - > The name of the author and his qualifications should be in the center of the page in 16-point Arial font.
  - > At the bottom of the document should be the name of the publisher and address in 16-point Times New Roman.
  - > The details of the offices of the publisher (only location) should appear in the footer.
- 5. Create the following one page documents.
  - > Compose a note inviting friends together at your house, including a list of things to bring with them.
  - Design a certificate in landscape orientation with a border around the document.
  - Design a Garage Sale sign.
  - > Make an assignment outlining your rules for your bedroom at home, using a numbered list.
- 6. Create the following documents:
  - A newsletter with a headline and 2 columns in portrait orientation, including at least one image surrounded by text.
  - > Use a newsletter format to promote upcoming projects or events in your classroom or college.
- 7. Convert following text to a table, using comma as delimiter Type the following as shown (do not bold).

Color, Style, Item Blue, A980, Van Red, X023, Car Green, YL724, Truck Name, Age, Sex Bob, 23, M Linda, 46, F Tom, 29, M

8. Enter the following data into a table given on the next page.

| Salesperson     | Dolls | Trucks | Puzzles |
|-----------------|-------|--------|---------|
| Kennedy, Sally  | 1327  | 1423   | 1193    |
| White, Pete     | 1421  | 3863   | 2934    |
| Pillar, James   | 5214  | 3247   | 5467    |
| York, George    | 2190  | 1278   | 1928    |
| Banks, Jennifer | 1201  | 2528   | 1203    |
| Atwater, Kelly  | 4098  | 3079   | 2067    |
| Pillar, James   | 5214  | 3247   | 5467    |
| York, George    | 2190  | 1278   | 1928    |
| Banks, Jennifer | 1201  | 2528   | 1203    |
| Atwater, Kelly  | 4098  | 3079   | 2067    |

Add a column Region (values: S, N, N, S, S, S) between the Salesperson and Dolls columns to the given table Sort your table data by Region and within Region by Sales person in ascending order:

In this exercise, you will add a new row to your table, place the word Total at the bottom of the Sales person column, and sum the Dolls, Trucks, and Puzzles columns.

- 9. Wrapping of text around the image.
- 10. How to install MS-Office in Windows operating system.
- 11. How to convert word, excel and PowerPoint into pdf & pdf to word.

#### MS-Excel

1. Enter the Following data in Excel Sheet

|           |      | REGIO | NAL SAL | ES PROJE | CHON      |             |
|-----------|------|-------|---------|----------|-----------|-------------|
| State     | Qtr1 | Qtr2  | Qtr3    | Qtr4     | Qtr Total | Rate Amount |
| Delhi     | 2020 | 2400  | 2100    | 3000     | 15        |             |
| Punjab    | 1100 | 1300  | 1500    | 1400     | 20        |             |
| U.P.      | 3000 | 3200  | 2600    | 2800     | 17        |             |
| Haryana   | 1800 | 2000  | 2200    | 2700     | 15        |             |
| Rajasthan | 2100 | 2000  | 1800    | 2200     | 20        |             |
| TOTAL     |      |       |         |          |           |             |
| AVERAGE   |      |       |         |          |           | ,           |

a. Apply Formatting as follow:

Title in TIMES NEW ROMAN

FontSize-14

Remaining text-ARIAL, FontSize-10

State name and Qtr. Heading Bold, Italic with Gray Fill Color.

Numbers in two decimal places.

Qtr. Heading in center Alignment.

Apply Border to whole data.

- b. Calculate State and Qtr. Total
- c. Calculate Average for each quarter

d. Calculate Amount=Rate\*Total.

2. Given the following worksheet

| A A |          | В         | C     | D     |
|-----|----------|-----------|-------|-------|
| 1   | Roll No. | Name      | Marks | Grade |
| 2   | 1001     | Sachin    | 99    |       |
| 3   | 1002     | Sehwag    | 65    |       |
| 4   | 1003     | Rahul     | 41    |       |
| 5   | 1004     | Sourav    | 89    |       |
| 6   | 1005     | Harbhajan | 56    |       |

Calculate the grade of these students on the basis of following guidelines:

Then Grade

| If Marks         | Then G |
|------------------|--------|
| >=80             | A+     |
| >= 60  and  < 80 | Α      |
| >= 50  and  < 60 | В      |
| <50              | F      |
|                  |        |

3. Given the following worksheet

| -7 | A        | В    | С    | D         | E     | F     | G          |
|----|----------|------|------|-----------|-------|-------|------------|
| 1  | Salesman |      | Sa   | les in(Rs | .)    |       |            |
| 2  | No.      | Qtr1 | Qtr2 | Qtr3      | Qtr4  | Total | Commission |
| 3  | S001     | 5000 | 8500 | 12000     | 9000  |       |            |
| 4  | S002     | 7000 | 4000 | 7500      | 11000 |       |            |
| 5  | S003     | 4000 | 9000 | 6500      | 8200  |       |            |
| 6  | S004     | 5500 | 6900 | 4500      | 10500 |       |            |
| 7  | S005     | 7400 | 8500 | 9200      | 8300  |       |            |
| 8  | S006     | 5300 | 7600 | 9800      | 6100  |       |            |

Calculate the commission earned by the salesman on the basis of following Candidates:

| If Total Sales        | Then Commission                |
|-----------------------|--------------------------------|
| 11 Total Sales <20000 | 0% of sales                    |
| > 20000 and< 25000    | 4% of sales                    |
| > 25000 and< 30000    | 5.5% of sales                  |
| > 30000 and < 35000   | 8%of sales                     |
| >=35000               | 11% of sales                   |
| - the sum of s        | ales of all the four quarters. |

The total sales are the sum of sales of all the four quarters.

- 4. Company XYZ Ltd. pays a monthly salary to its employees who consist of basic salary, allowances & deductions. The details of allowances and deductions are as follows:
  - HRA Dependent on Basic
     30% of Basic if Basic<=1000</li>
     25% of Basic if Basic>1000 & Basic<=3000</li>
     20% of Basic if Basic>3000
  - DA Fixed for all employees,30% of Basic
  - Conveyance Allowance(CA)

Rs.50/- if Basic is <=1000

Rs.75/- if Basic >1000 & Basic <= 2000

Rs.100 if Basic>2000

Entertainment Allowance (EA)

NIL if Basic is <= 1000

Rs.100/-if Basic > 1000

#### Deductions

• Provident Fund 6% of Basic

Group Insurance Premium

Rs.40/-if Basic is <=1500

Rs.60/-if Basic > 1500 & Basic <= 3000

Rs.80/-if Basic>3000

Calculate the following:

Gross Salary=Basic +HRA+ DA+ CA+ EA

Total Deduction=Provident Fund + Group Insurance Premium

Net Salary=Gross Salary-Total Deduction

5. Create Payment Table for a fixed Principal amount, variable rate of interests and time in the form at below:

| t below:            | 5% | 6% | 7% | 8% | 9% |
|---------------------|----|----|----|----|----|
| No. of Installments | XX | XX | XX | XX | XX |
| 4                   | XX | XX | XX | XX | XX |
| 5                   | XX | XX | XX | XX | XX |
| 6                   | XX | XX | XX | XX | XX |

6. Use an array formula to calculate Simple Interest for given principal amounts given the rate of Interest and time

| nd time          |                 |
|------------------|-----------------|
| Rate of Interest | 8%              |
| Time             | 5Years          |
| Principal        | Simple Interest |
| 1000`            | ?               |
| 18000            | ?               |
| 5200             | ?               |

7. The following table gives a year wise sale figure of five salesmen in Rs.

| Salesman | 2019  | 2020  | 2021   | 2022  |  |
|----------|-------|-------|--------|-------|--|
| S1       | 10000 | 12000 | 20000  | 50000 |  |
| S2       | 15000 | 18000 | 50000  | 60000 |  |
| S3       | 20000 | 22000 | 70000  | 70000 |  |
| S4       | 30000 | 30000 | 100000 | 80000 |  |
| S5       | 40000 | 45000 | 125000 | 90000 |  |

- a. Calculate total sale year wise.
- b. Calculate the net sale made by each salesman
- c. Calculate the maximum sale made by the salesman
- d. Calculate the commission for each salesman under the condition.

- >> If total sales > 4, 00,000 give 5% commission on total sale made by the salesman.
- >> Otherwise give 2% commission.
- e. Draw a bar graph representing the sale made by each salesman.
- f. Draw a pie graph representing the sale made by a salesman in 2000.
- 8. Enter the following data in Excel Sheet

# PERSONAL BUDGET FOR FIRST QUARTER

Monthly Income(Net): 1,475

| thly Income(Net) EXPENSES | JAN    | FEB    | MARCH<br>QUARTER<br>TOTAL | QUARTER<br>AVERAGE |
|---------------------------|--------|--------|---------------------------|--------------------|
| Rent                      | 600.00 | 600.00 | 600.00                    |                    |
| Telephone                 | 48.25  | 43.50  | 60.00                     |                    |
| Utilities                 | 67.27  | 110.00 | 70.00                     |                    |
| Credit Card               | 200.00 | 110.00 | 70.00                     |                    |
| Oil                       | 100.00 | 150.00 | 90.00                     |                    |
| AV to Insurance           | 150.00 |        |                           |                    |
| Cable TV                  | 40.75  | 40.75  | 40.75                     | 5                  |
| Monthly Total             |        |        |                           |                    |

- Calculate Quarter total and Quarter average.
- b. Calculate Monthly total.
- c. Surplus=Monthly income-Monthly total.
- d. What would be the total surplus if monthly income is 1500.
- e. How much does the telephone expense for March differ from quarter average?
- f. Create a 3D column graph for telephone and utilities.
- g. Create a pie chart for monthly expenses.
- 9. Enter the following data in Excel Sheet

TOTAL REVENUE EARNED FOR SAM'S BOOK STALL

|                |              | 1998       | 1999         | 2000          | Tota |
|----------------|--------------|------------|--------------|---------------|------|
| Publisher Name | Rs. 1,000.00 |            | Rs. 1,300.00 | Rs. 800.00    |      |
|                |              |            |              | Rs. 2,000.00  |      |
| В              | Rs. 1,500.00 |            |              | Rs. 600.00    | _    |
| С              | Rs. 700.00   | Rs. 900.00 | Rs. 1,500.00 |               | -    |
| D              | Rs. 1,200.00 | Rs. 500.00 | Rs. 200.00   | Rs. 1,100.00. |      |

- a) Compute the total revenue earned.
- b) Plot the line chart to compare the revenue of all publishers for 4 years.
- c) Chart Title should be Total Revenue of Sam's Book stall(1997-2000)
- d) Give appropriate categories and value axis title.
- 10. Generate 25 random numbers between 0 & 100 and find their sum, average and count. How many no. are in the range 50-60.

## **MS-Power Point**

- 1. Do the following task:
  - Start a new blank presentation
  - Your first Slide is going to be a Title Slide
  - Write the Text as in the preview below:

Lighthouse Co Ltd

- o Make the Font of "Lighthouse" Arial Black and size 88
- Insert a second slide this should be with a layout of Bulleted List
- Write the Text as in preview below
- [Title]: Lighthouse Co Ltd
- [Body]:
  - Mission Statement i.
  - Company Objectives ii.
  - Management Team iii.
  - Employees iv.
  - Sales ٧.

Make the Font Color of the Points to Green

Insert a third slide that should be an Organization Chart.

Include the following people in the chart:

- a. David Brent, General Manager
- b. Tim Canterbury, Head of Sales
- c. Gareth Keenan, Assistant to the General Manager
- d. Dawn Tinsley, Human Resources Manager

Add a fourth slide and this should be a Table Chart.

The chart should look like the following:

| New Products               | <b>Discontinued Products</b> |
|----------------------------|------------------------------|
| Digital Cameras            | 8mm Cameras                  |
| Ultra Slim Video Camera    | 8x Zoom Video Camera         |
| 25" Plasma TVs21"          | Black and White TVs          |
| DVD Recorders              | Video Players                |
| 7.1 Dolby Surround Systems | 2 channel stereo systems     |

- Make the titles New Products and Discontinued Products with a shadow effect and centered in the cell. Widen columns to fit Text as above.
- The Fifth slide should be a Chart slide. The chart should be a bar chart, and include the following data must be used to form the chart:

| owing data must b | January | February | March | April |
|-------------------|---------|----------|-------|-------|
| TVs               | 20      | 27       | 90    | 75    |
| DVDs              | 30      | 38       | 34    | 31    |
| Wifi equipment    | 45      | 46       | 45    | 43    |
| Video Recorders   | 25      | 29       | 15    | 40    |

- Change the colours of the chart so that the series of bars are red, yellow, pink, and
- Add a light coloured background to all slides in the presentation.
- Add also Transition effects between each slide and also different effects for all text and pictures in the presentation.
- Reverse the order of the second and third slides
- Save the presentation as Light House Ltd.

### 2. Do the following:

Load your Presentation Application and start a new presentation

- The first slide is a Title Slide. Select the appropriate layout and enter the title: **Annual Food Fair**
- Add the subtitle: .A Celebration of Eating
- Insert a small, red circle at the bottom right of the title slide.

- Change the font color for the whole title and subtitle to blue, and apply a text shadow effect just to the words Food and Fair
- Insert a second slide to the presentation, selecting a layout appropriate for a series of bullet points, and using the title: The Menu. Enter the following text:
  - i. Chocolate Desserts
  - ii. Cakes and Puddings
  - iii. Roast Meals
  - iv. Using Pasta Creatively
- Change the line spacing for these bullet points to 1.5 lines.
- Increase the font size for the words The Menu in the title.
- Add a footer with your name and the text: Food Fair so they both appear on every slide, and number all the slides. (Make sure the number is not obscured by the red circle on the title slide)
- Insert a third slide, which is to be an organization chart. Use the title Meet The Team. Enter: Maggie Pect, Manager at the top of the chart, and show the following three as reporting to Maggie Peet: Brian Webb, Bookings; Janine Newton, Publicity; Gregg Brown, Accounts
- Embolden the text in the title of the third slide, and change the font to Arial.
- Apply a light coloured background to all the slides in the presentation
- On the third slide, insert an image suitable for the topic of food from an image library. Reduce the size of the image and place it where it will not interfere with
- Save the presentation as foodfair.
- Print the presentation with three slides per page, and close the presentation.

### 3. Do the followings:

- Load your Presentation Application and start a new presentation
- The first slide is a Title Only Slide. Select the appropriate layout and enter the title: Cook Family Cruises.
- Add a small blue rectangle at the top left of this slide.
- Change the font color for the whole title to red, and apply a text shadow effect just to the word Cruises.
- Insert a second slide to the presentation, selecting a layout appropriate for a series of bullet points, and using the title: Our Itinerary. Enter the following text:
  - Canary Islands a.
  - Mediterranean b.
  - Greek Islands
- Change the line spacing for these bullet points to 2 lines. Increase the font size of the word Itinerary in the title. Add a footer with your name and the text: Cruise Information so they both appear on every slide, and number all the slides.
- Insert a third slide, which is to be a graph. Use the title Our Market Share. Use the following data to produce a pie chart: Cook 54%; Jackson 28%; Wilson 12%; Bennett 5%
  - Embolden the text in the title of the third slide, and change the font to Arial.
- Apply a different background to each slide in the presentation.
- On the third slide, insert an image suitable for the topic of holidays from an image library. Reduce the size of the image and place it where it will not interfere with
- Add a 4-slide containing nothing but the text: Travel with us for less!!
- Save the presentation as a holiday.
- Print the presentation with 4 slides per page, and close the presentation.
- 4. Creating an animation looks like the leaf is falling in a tree.

5. Creating an animation looks like demolishing a world trade center in America.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### MS-Access

- 1. Create a database named "college" and perform the following tasks:
  - A. Create a table named "student" having following fields: Class, Roll no and Name with these Information i.e., Field Name, Data type and Description
  - B. Fill at least 5 records.
  - C. Prepare a query to display all records and Name should be in ascending order.
- 2. Create the employee table in MS-Access with the referential integrity-foreign key.

Note: This is a tentative list; the teachers' concern can add more program as per requirement.

Keyw Information Technology (IT), Information and Communication Technology (ICT), G-Suite, MS Word, MS ords Excel, MS Power Point, MS-Access.

Name and Signature of Convener & Members of CBoS:

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## PART-C: Learning Resources

## Text Books, Reference Books and Others

## Text Books Recommended:

- Computer Fundamentals, P.K. Sinha, BPB Publication, Sixth Edition.
- Fundamentals of Information Technology, Chetan Shrivastava, Kalyan Publishers.
- Fundamentals of Computers, V. Rajaraman, PHI Sixth Edition.
- Computer Fundamentals and Office Automation, Dr. Santosh Kumar Miri, Iterative International Publisher IIP.
- Computer Fundamentals Architecture and Organization, B. Ram, New Age International Publishers, Fifth Edition.
- Fundamentals of Information Technology, Alexis Leon and Mathews Leon, Vikash Publication.

## Reference Books Recommended:

- Introduction to Information Technology, V. Rajaraman, PHI publication.
- Fundamental of IT, Leon and Leon, Leon Tec world.
- Introduction to Information Technology, Aksoy and Denardis, Cengage learning.
- Computers Today, Suresh K. Basandra, Galgotia Publications.
- Information Technology The breaking wave, Dennis P.Curtin, Kim Foley, Kunai Sen and Cathleen Morin, TMH.
- OFFICE 2013 in Simple Steps, Kogent Solution Inc., DremTech Press.
- Access 2010 in Simple Steps by Kogent Learning Solutions Inc.

#### Online Resources:

- Introduction to Computer Fundamental from W3school: https://www.w3schools.blog/computer-fundamentals-tutorial
- Introduction to MS-Word from W3school:

https://www.w3schools.blog/ms-word-tutorial

Introduction to MS-Excel from W3school:

https://www.w3schools.com/excel/excel\_introduction.php

Introduction to MS-PowerPoint from W3school: https://www.w3schools.blog/powerpoint-tutorial

Introduction to MS-Access from W3school:

https://www.w3schools.com/sql/sql\_ref\_msaccess.asp

Fundamentals of Computers & Information Technology (in Hindi): https://www.mcu.ac.in/wp-content/uploads/2020/04/1PGDCA1-Unit-I-Fundamentals-of-Computers-Information-Technology.pdf.

Fundamentals of Computers & Information Technology (in Hindi): https://hte.rajasthan.gov.in/dept/dte/board of technical education, rajasthan/government\_polyte chnic college hanumangarh/uploads/doc/fundamental- final-rkd.pdf.

Information and Computers

Technology: https://cbseacademic.nic.in/web\_material/doc/2014/11\_ICT-IX.pdf.pdf.

Microsoft Office (in Hindi): https://www.scribd.com/document/534988849/9-Microsoft-office-in-hindi-www-GkNotesPDF-

MS-OFFICE:

https://www.rgycsm.org/uploads/books/MICROSOFT-OFFICE-BOOK.pdf.

MS-OFFICE:

Hindi Notes: https://www.copaguide.com/2020/04/ms-office-topics.html.

Microsoft Office Full Crash Course: https://www.youtube.com/watch?v=SH4oyV5AJ6A

# PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods: 50 Marks Maximum Marks: 15 Marks

Continuous Internal Assessment (CIA): 35 Marks

End Semester Exam (ESE): 10 & 10 Internal Test / Quiz-(2): Continuous Internal

Assignment/Seminar + Attendance - 05 Assessment (CIA): 15 Total Marks -(By Course Teacher)

Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks

**End Semester Exam** (ESE):

Laboratory / Field Skill Performance: On spot Assessment

A. Performed the Task based on lab. work

- 20 Marks B. Spotting based on tools & technology (written) - 10 Marks - 05 Marks

Viva-voce (based on principle/technology)

Inguare of Convener & Members of CBoS:

Managed by

Course teacher

as per lab.

status

|     |  |  |  | URSE C   | JRRICULUN  | 1   |  |        |
|-----|--|--|--|--|--|---|--|--------|
| A   | RT-  | A: Introd  | uction   |  |  |   |  |        |
| ro  | grar   | n: Bachelor in Co  | mputer Application   | on   | Semester   | - I   | Session: 2024-20   | 25     |
| Cer | rtifica  | te / Diploma / Deg   | gree/Honors)   | Approximate the state of the st |  |   |  |        |
|     | Cou  | rse Code   | CAGE-02T   |  |  |   | and the second of the second o |        |
| 1   | ***************************************  | rse Title  | <b>Operating System</b>  | em   |  |   |  | -      |
| 3   | Cou  | rse Type   | DGE (Disciplin   |  | Elective)  | AND THE RESIDENCE OF THE PARTY |  |        |
| 1   | Pre  | requisite  | As per program   |  | tudante will be a  | ble to:   |  |        |
| 5   | <ul> <li>Course Learning.</li> <li>Outcomes (CLO)</li> <li>Understand the concept of operating system.</li> <li>Understand the Disk operating system (DOS).</li> <li>Work with DOS using DOS commands.</li> <li>Understand the Windows operating system.</li> <li>Understand the Linux operating system.</li> </ul>  |  |  |  |  |   |  |        |
| 6   | Cre  | edit Value   | 3 Credits  | COMPANY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.  | = 15 Hours - 1   | Learning &  | & Observation  | 0      |
| 7   |  | tal Marks  | Max. Marks:  | 100  |  | Min Pass  | ing Marks: 4   |        |
| Δ   | RT   | -B: Conte  | nt of the C  | ourse  |  |   | 2 - 1- (45 Hou   | re)    |
|     |  | Total No. of Tea   | aching-Learning  | g Periods (  | 01 Hr. per per   | iod) - 45 I   | Periods (45 Hou  | No. of |
|     |  |  | П  | onics (Co  | ourse conten   | ts)   |  | Perio  |
| Ur  | 1  | Operating System Operating System Operating System,  | Concepts: Evolustructure. Genera<br>System Calls, Sy   | ntion of Ope<br>ntions of Ope<br>stem Boot, S  | rating Systems,<br>perating System<br>System Programs  | Types of op, Functions, Protection  | and Security of  | 12     |
| ]   | Operating System: Introduction to DOS, History of DOS, Booting process of DOS, I  Disk Operating System: Introduction to DOS, History of DOS, Booting process of DOS, I  & directory structure and naming rules, DOS system files.  Internal commands of DOS – DIR, CLS, VER, VOL, DATE, TIME, COPY, TYPE, REN, D  CD, MD, RD, PATH etc.  External Commands - CHKDSK, XCOPY, PRINT, DISKCOPY, DISKCOMP, DOSK  TREE, MOVE, LABEL, APPEND, FORMAT, SORT, FDISK, BACKUP, EDIT, MO |  |  |  | YPE, REN, DEL,<br>DMP, DOSKEY,<br>, EDIT, MODE,  | 11  |  |        |
|     | Ш  | ATTRIB, HELP, S Windows: Windows, Windows, Windows, Files and folders, recycle bin restorition Explorer, Windows computer, Media Managing Hardward/remove prog | ws Operating Systems Operating Systems Concepts, Windcreate, copy, deleng deleted files, errors Accessories, Collayer, Sound Revare & Software rams, Backup, Cli | tem: History ows Structur te, renaming aptying the re Control Pane corder, Volu Add or re pboard View  | , Version and fe<br>e, Desktop, Task<br>g and moving fil<br>ecycle bin, search<br>l, Print Manage<br>me Control. Adv | atures of Wi<br>bar, Start Mo<br>les and foldding files and<br>r and Instal<br>vanced featu   | ndows, Basics of<br>enu, working with<br>ers, working with<br>folders. Windows<br>ling Printers. My<br>res of Windows  | 11     |
|     | IV   | System Informati<br>Linux: Linux in<br>system, Kernel, S   | on windows update<br>troduction, Advan<br>hell, Linux File sy<br>ling the Linux sys<br>I, Linux Desktop,   | tages, Featur<br>stem, Linux   | res of Linux, Bas<br>standard director   | sic Architect<br>ries. Partition  | ure of Unix/Linux<br>iing the Hard drive<br>ocess, How Linux<br>at, find, grep, head   | 11     |
|     |  | and tail.  |  |  |  | 0.0   | \$612,2.cmptc  |        |
| ke  | vword.   | s Operating System   | n, DOS, Windows,   | pers of CBo.   | S: 0- 1  | 12/3  | De' MI   | To !   |
|     | r-HE   | and Signature of C   | Hali   |  | my Cour  | S. Jain)  | Julie Jan  | ANJEC  |

#### **Learning Resources** PART-C:

# Text Books, Reference Books and Others

### Text Books Recommended:

- Peter Baer Galvin, Greg Gagne, Operating System Concepts Abraham Silberschatz, 8th edition, Wiley-India, 2009.
- Andrew S. Tanenbaum, Modern Operating Systems, 3rd Edition, PHI
- Elmasri, Carrick, Levine, Operating Systems: A Spiral Approach TMH Edition

## Reference Books Recommended:

- Akshay Singh, Operating System, RGCSM Publications
- Rusell A Stultz, MS DOS 6.22, BPB Publications
- Brain Underdahl, Teach yourself Windows 2000, Wiley Publications.
- Peter Norton, Maximizing Windows, Teachmedia.
- Ray Duncan, Advances MS-DOS Programming, BPB
- Ray Yao, Shell Scripting in 8 Hours

### Online Resources:

- Fundamentals of Computer, Windows Operating System: https://vikaspedia.in/education/digitallitercy/it-literacy-courses-in-associating-with-msup/computer-fundamentals
- Introduction to Operating System: <a href="https://www.w3schools.in/operating-system/tutorials/">https://www.w3schools.in/operating-system/tutorials/</a>
- Introduction to Operating System: https://www.javatpoint.com/windows
- Windows: https://www.javatpoint.com/windows
- Linux: https://www.javatpoint.com/what-is-linux
- DOS: https://www.geeksforgeeks.org/ms-dos-operating-system/
- DOS: https://www.javatpoint.com/ms-dos-operating-system

| PART -D: Assess   | sment and Evaluation   |   |
|---|--|---|
| Suggested Continuous I<br>Maximum Marks:                  | 100 Marks  |   |
| Continuous Internal As<br>End Semester Exam (E            | SE): 70 Marks  | - Land of the two Test / Ouiz +   |
| Continuous Internal Assessment (CIA): (By Course Teacher) | Internal Test / Quiz-(2): 20 & 20<br>Assignment / Seminar - 10<br>Total Marks - 30             | Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks |
| <b>End Semester</b>                                       | Two section – A & B Section A: Q1. Objective – 10 x1= 10 Section B: Descriptive answer type qt | Mark; Q2. Short answer type- 5x4 =20 Marks s.,1 out of 2 from each unit-4x10=40 Marks                       |

Name and Signature of Convener & Members of CBoS:

| D/             | ART-   | A. Intro   | duction  | SE CURRICULO   | and the second s |  |                                    |
|----------------|--|--|--|--|--|--|------------------------------------|
| -              |  |  | omputer Application  | Semester   | · - I  | Session: <b>2024-2</b>   | 025                                |
|                |  | / Diploma / De   |  |  |  |  |                                    |
| 1              | Course   |  | CAGE-02P   |  | and a property of the second and a second and   |  | market and recommend to the latest |
| 2              | Course   | e Title  | Lab 2: Operating Sy  | stem   |  |  |                                    |
| 3              | Course   | e Type   | Practical  |  | The second of  |  |                                    |
| 4              | Prerec   | juisite  | As per program   |  |  | and the second s |                                    |
| 5              | At the end of this course, the students will be able to:  Understand the fundamental concepts of DOS, Windows and Linu Operating System.  Understand basics of DOS commands and its types.  Understand features of Windows Operating system.  Understand comparative features of DOS and Windows Operating system.  Explore functionality of Linux.  1 Credits   Credit = 30 Hours Laboratory or Field Learning/Training |  |  |  |  |  | systems.                           |
| 7              | Total  | Marks  | Max. Marks:  | 50   | 141111 1 433   | ing Marks:   | AND THE RESERVE OF THE PARTY OF    |
| PA             | RT -E  | 3: Conte   | ent of the Cours   | Se   | ods: 30 Per  | iods (30 Hours)  |                                    |
|                |  | Total No   | . of learning-Training   | cs (Course conter  |  | 1003 (50 110111)   | No. of                             |
| Pı             | List of cactical periment  | <ol> <li>Create o</li> <li>Demons</li> <li>Demons</li> <li>Introduce</li> <li>Study ar</li> <li>Working</li> <li>Use of v</li> <li>Explain</li> <li>Working</li> <li>Working</li> <li>Working</li> <li>Create at</li> <li>Demons</li> <li>Create at</li> <li>Demons</li> <li>Create at</li> <li>Delete at</li> <li>Delete at</li> <li>Explain</li> </ol> | trate different Directory ne file and rename file trate all Internal DOS of trate all external DOS of trate all external DOS of trate all external DOS of the discount of Windows and Find use of Desktop, my of with Files and Folder. Various window applicating control panel option g with printers.  In file using Linux community community and which strate use of grep community. The properties and the strate of the strate use of grep community. The properties and the strate use of the strate use of grep community. The strate use of grep community with the strate use of grep community and the strate use of grep community. The strate use of grep community with the strate use of grep community and the strate and the strate and the strate and the strate all external DOS of | Commands with Outp<br>Commands with Outp<br>Amiliarity with its co<br>computer, recycle bir<br>tions: Calculator, not<br>as.  The command and directory using Linux. | put. put. put. ontrols. n, Task bar. tepad and M rectories. ate 3 differences.   | S-Paint.<br>ent files in thi   | <b>30</b>                          |
| $\overline{N}$ | Keywords<br>ame und  | DOS, Windows   | , Linux.<br>Convener & Members o   | of CBOS: Qual  | <b>-</b> ,   | 01/  | Ald                                |

# PART-C: Learning Resources

# Text Books, Reference Books and Others

## Text Books Recommended:

- Rusell A Stultz, MS DOS 6.22 BPB Publications
- Brain Underdahl, Teach yourself Windows 2000, Wiley Publications.

## Reference Books Recommended:

- Peter Norton, Maximizing Windows, Teachmedia.
- Ray Duncan, Advances MS-DOS Programming, BPB
- Akshay Singh, Operating System, RGCSM Publications
- Ray Yao, Shell Scripting in 8 Hours

#### Online Resources:

- DOS: https://www.javatpoint.com/ms-dos-operating-system
- Windows: https://www.javatpoint.com/windows
- Linux: https://www.javatpoint.com/what-is-linux
- Fundamentals of Computer, Windows Operating System: <a href="https://vikaspedia.in/education/digital-litercy/it-literacy-courses-in-associating-with-msup/computer-fundamentals">https://vikaspedia.in/education/digital-litercy/it-literacy-courses-in-associating-with-msup/computer-fundamentals</a>
- DOS: <a href="https://www.geeksforgeeks.org/ms-dos-operating-system/">https://www.geeksforgeeks.org/ms-dos-operating-system/</a>

|   |  |   |  | And the second s |
|---|--|---|--|--|
| PART -D: Assessme   | nt and Evaluati  | on  |  |  |
| Suggested Continuous I<br>Maximum Marks:                      |  | 50 Marks  |  |  |
| Continuous Internal As  | ssessment (CIA):   | 15 Marks  |  |  |
| End Semester Exam (E  | SE):<br>Internal Test / Quiz   | 35 Marks<br>(-(2): 10 & 10  | Better marks out of the                      | two Test / Quiz  |
| Continuous Internal<br>Assessment (CIA):                      | Assignment/Seminar   | +Attendance - 05  | + obtained marks in Ass<br>considered agains | t 15 Marks   |
| End Semester Exam (ESE):  Name and Signature of Charman  Sull | Laboratory / Field<br>A. Performed the<br>B. Spotting base<br>C. Viva-voge (ba | e Task based on lated on tools & technologied on principle/tectors of CBoS: | ology (written) – 10 Marks                   | Managed by Course teacher as per lab. status  Aigut  ANJEETA RUJU  |