LITTLE FLOWER SCHOOL, RAPTINAGAR, GORAKHPUR
FIRST SEMESTER EXAMINATION 2021-2022

Class: VIII   **Time: 2 Hours**
Computer Applications   **Max Marks: 100**

SECTION - A [40 Marks]

I. Fill in the blanks: **[10x1=10]**
1) _____ software is a set of programs designed to perform specific type of job.
2) _____ refers to the physical parts of a computer that you can see and touch.
3) A _____ is a space on the display screen in which command are typed in by the user.
4) _____ are the pictorial representation of a program.
5) The process of drawing a flowchart for an algorithm is known as _____.
6) An algorithm should involve _____ number of steps to reach a solution.
7) A _____ cloud is a combination of both private and public cloud.
8) Microsoft renamed SkyDrive as _____ on January 27, 2004.
9) OneDrive is available as a built-in app on _____.
10) _____ is already integrated in OneDrive and can be accessed directly from it.

II. State true or False: **[10x1=10]**
1) A private cloud is provisioned for open use by general public.
2) Cloud computing provides a reliable recovery mechanism to deal with failures.
3) By default, OneDrive displays the files and folders in the form thumbnails.
4) Picasa is used to edit photos by making changes in their original copies.
5) Connectors are used to connect the boxes.
6) Flowchart are helpful in analyzing the logic of problems.
7) Algorithms means a set of rules which specify how to solve a specific problem.
8) Computer work with an interaction of hardware and software.
9) Operating system acts as a central coordinator between the user and the software.
10) CUI requires the user to type commands in order to interact with the computer system.

III. One word answer: **[10x1=10]**
1) What is the Full form of RTOS?
2) Which interface requires more RAM to run?
3) Character interface is also known as?
4) Which box is used to accept input and give output in a flowchart?
5) Which box in a flowchart is used to mark starting and ending of a flowchart?
6) Which connector is used to join the parts of a flowchart contained within the same page?
7) Which shortcut key combination is used to create a new album in Picasa?
8) How much free online space provided by PICASA to store photos?
9) Which characteristics of cloud computing allows multiple consumers to pool the resources available on the cloud?
10) Name the OneDrive option that allows you to sort your files and folders on the basis of size.

IV. Do as directed: **[10]**
1) Write the full form of the following: **[6x1=6]**
   a) GUI   b) CUI   c) CLI   d) JCL   e) CPU   f) RAM

2) Answer the following Application based questions: **[4x1=4]**

a) While conducting a lecture on the types of operating system, Mohit's instructor asked him to name an operating system that is used when the time span required to react an input is rigid and time bound. Can you help Mohit in answering the question?

b) In a quiz competition, the quiz master asked one of the participants, Nyra, "In which user interface, the user mostly gets immediate visual feedback of the action he performs?" To this Nyra replied "CUI". Is she right? If not, what is the right answer?

c) Sonali's instructor has explained her about one of the features of cloud computing which allows the consumers to transparently scale up or scale down the resources according to their computing needs. Can you guess which feature she is talking about?

d) Rohan wants to upgrade his storage plan of OneDrive. Which button can he make use of to accomplish the task?

SECTION - B [60 Marks]

V.   Differentiate between (Attempt any three):   **[3x5=15]**
1) Advantages of GUI over CUI.
2) Algorithm and Flowchart.
3) Hardware and Software.
4) Multi-user OS and Multi-threading OS.
5) System software and Application software.

VI.   Answer the following (Attempt any five):   **[5x3=15]**
1) Explain any two functions of an OS.
2) When do we use the process box?
3) What is algorithm?
4) Write any two advantages of cloud computing.
5) Write short notes on PICASA.
6) What is cloud computing?

VII. Do as directed (Attempt any five):   **[5x5=25]**
1) Draw a flowchart for calculating area of a circle.
2) Draw a flowchart for calculating Sum, Difference and Product of two numbers.
3) Write an algorithm to check whether a number is even or odd.
4) Write algorithm for calculating the average of three numbers.
5) Write algorithm to swap two numbers.
6) Write steps for uploading a file on OneDrive.

VIII. Internal Assessment   **[5]**