MAR THOMA RESIDENTIAL SCHOOL, TIRUVALLA

FIRST TERMINAL EXAMINATION-2019

COMPUTER APPLICATIONS

STD VIII

Time:2h
Marks:80

SECTION A

Question 1

a) What is an operating system? [2]

b) Write down all the functions of an operating system. [2]

c) What do you mean by booting a computer? [2]

d) Write down the names of different types of booting. [2]

e) Define an icon? [2]

Question 2

a) What is an active cell? [2]

b) What do you mean by a range of cells? [2]

c) Write down the steps to select an entire row. [2]

d) Define sheet tab. [2]

e) Write down the steps to rename a sheet tab. [2]

Question 3

a) What is an algorithm? [2]

b) Name the following.

i) pictorial representation of an algorithm.

ii) pictorial representation of data values stored in the worksheet. [2]

c) Write down the output of the following. [2]

i) =AVERAGE("21",42,63,84)

ii) =MIN(83,61,-83,79,-79)

d) Write down the names of symbols/boxes used to represent the following. [5]

i) the beginning and end of a flowchart.

ii) to represent the commands used to give or take data values.

iii) to represent all types of mathematical task.

iv) to direct a decision that has to be made.

v) to indicate the direction of flow of instructions.

e) Name the functions used to do the following.

i) to count the number of cells within a range of cells which have values.

ii) to calculate the total all the values of the specified cells. [2]

f) What do you mean by cell referencing? [2]

g) Write the names of cell referencing used in MS Excel. [3]

h) Write down the use of MAX() .Give an example. [2]

SECTION B

Question 4

Write an algorithm and draw a flow chart to find the volume of a cube.

(volume of a cube of side a $=a^3$)

Question 5

Write **an algorithm** and draw **a flow chart** to calculate perimeter and diagonal of a square.

Question 6

Write an algorithm and draw a flow chart to input temperature in Fahrenheit. If the temperature is more than 98.6^{0}F then display "fever" otherwise "normal".

Question 7

Mega Market has announced festival discounts on the purchase of items based on the total cost of the item purchased

Total Cost	Discount
Upto ₹.2000	5%
₹ 2001 to ₹ 5000	10%
₹ 5001 to ₹ 10000	15%
Above ₹ 10000	20%

Write an algorithm and draw a flowchart to name and total cost of the items purchased. Calculate discount and amount to be paid after discount. Display name and total cost, discount and amount to be paid after discount.

Question 8

Write an algorithm and draw a flowchart to input cost price and selling price of an article. If the selling price is more than the cost price then calculate and display actual profit and profit percent otherwise calculate and display actual loss and loss percent. If the cost price and selling price are equal, display the message 'Neither profit nor loss.' [9]

Question 9 [10]

Input the quantity purchased and rate. Calculate the total purchase price and display it along with the gift to be presented. The gifts to the customers are given as follows:

Amount of purchase (Rs)	**Gift**
Upto ₹ 5000	A Bed Sheet
₹ 5000 and above but less than ₹ 10000	A Pressure Cooker
₹ 10000 and above but less than ₹ 25000	A Dinner Set
Above ₹ 25000	A Mobile Phone

The flow chart will end with a **Happy Onam** message.