INDIAN SCHOOL MUSCAT

FINAL TERM EXAMINATION

SET A

FEBRUARY 2019

CLASS XI

Marking Scheme –INFORMATION TECHNOLOGY(Code:802) [THEORY]

Q.NO.	Answers	Marks (with split up)
I. a.	What is a computer? A computer is an electronic device which can do a variety of operations in cordance to a set of instructions known as programs. 1 Mark	1
b.	Mention any two features of a computer. Speed, Accuracy, Reliability, Versatility, High storage capacity (Any two with explanation) ½ Marks each	1
c.	What is data to a computer? Raw facts and figures entered to a computer is known as data. 1 Mark	1
d.	What is an operating system? Operating system is a set of programs which acts as an interface between the user and the hardware. 1 Mark	1
e.	What is hardware? Give two examples of hardware. Hardware refers to physical components of a computer that can be seen and touched. 1 Mark Eg: Keyboard,Hard Disk,Motherboard, Network card etc 1 Mark	2
f.	Write any four features of fourth generation of computer. Explain each. Microprocessor is used,Speed increased, Size of the computer decreased, Cost reduced,High Level Languages were used for programming. (Any four with explanation) ½ Mark each	2
g.	Write a note on motherboard. It is a printed circuit board where all electronic components including the microprocessor is connected. It also has expansion slots where peripherals are connected. 2 Marks	2
II.a.	Give the full form of i) TCP/IP -Transmission Control Protocol/Internet Protocol ii) WAN - Wide Area Network ½ Mark each	1
b.	What is a message? Message is a meaningful data that is being communicated in a structured form. 1 Mark	1
c.	Write a note on bus topology. In bus topology there is a long cable called back bone that connects various nodes through connector called tap.This topology requires less cabling and is easy to install and extend.In this a message sent by one is received by all devices. 2 Marks	2

d.	What do you mean by repeater? Explain. A repeater is a device which is used to restore the input signal to its original form so that it can travel a larger distance. It is also known as digital regenerator which reshapes and amplifies the digital signal. 2 Marks	2
e.	Explain i) Hacking -Hacking may be described as having unauthorized access to someone's computer or computer network for stealing resources such as passwordsor confidential files or causing harm to system or network. ii) Virus – Virus is a program that may harm your computer system by over writing or corrupting the system files.The affected part is called the infected area. 1 Mark each	2
f.	What do you mean by digital literacy? Explain. Digital literacy refers to raising knowledge and awareness about technology such as computer's smart phones, tablets and other electronic gadgets. It also includes familiarity with software tools and internet. This knowledge helps people to acquire, analyze, share, execute and deliver information in efficient and constructive way. 2 Marks	2
III.a.	What is the need of a word processing software? A word processing software is required for the creation of documents that are text-based. It has tools that allow the user to edit, format and print document. A word document may also contain pictures and tables. It may be a report, letter, drawing, webpage etc. 1 Mark	1
b.	Write four uses of spreadsheet. Managing financial data such as bank account information, budgets, transactions,billing, and receipts. Handling inventory, reviews, employee information, surveys, etc., using data entry forms. ½ Mark each	1
c.	What is the task of a presentation software? The presentation software has tools that allow the user to create presentations with sound,text, movies, pictures, and tables. 1 Mark	1
d.	Name two open source word processing software. OpenOffice Writer, Neooffoice,LibreOffice, Googledocs ½ Mark each	1
e.	Define i) Tabs (Open Office Writer) - Tabs: (File, Edit, View, Insert, etc.) contain drop down menu which have commands provided by the tab. ii) Ruler bar(OpenOffice Writer)- There are two rulers – Horizontal and Vertical. The Ruler Bar allows us to adjust the indentation and margins. 1 Mark each	2
f.	Mention any four tool bars available in Calc and explain each Title bar:The title bar at the top displays the information about the spreadsheet such as name of the current spreadsheet. Menu bar:Just below the title bar is the menu bar.It contains various menu options. On selecting a menu option, a submenu appears which contains other options related to the main menu option.	2

	Help: It contains the options getting help related to OpenOffice Calc such as OpenOffice Help. Standard Bar: It lies below the Menu bar. It contains icons which perform similar operations as contained in the Menu bar options such as New, Open, Save, Print, Page Preview, Cut, Copy, Paste, Sort, Chart, Find & Replace, Spelling. ½ Mark each	
g.	What is the difference between save and save as command? The save command is used to save a file for the first time. A save as command can be used to save a file for the first time as well as to save an existing file in a different name so that a copy of the same file with another name can be created. 2 Marks	2
h.	What are the various data that can be entered in a cell in Calc? Labels- These are alphanumeric entries without numeric value. They can be a combination of letters, numbers, space, special characters etc.Labels are left justified by default. Numbers or Values – These are numeric data which may be integers or can contain decimals or fractions. Values are right-justified by default. Formulas – Used to perform calculations such as addition, subtraction, multiplication, division, average. Formulas must begin with an = sign. 1 Mark each	2
i.	What is the difference between slide transition and slide animation? Slide transition applies to the pattern that will show up when one slide goes to the next (for example, wheel, diamond etc.). Slide animation applies to elements of a single slide, i.e., how the different elements in a slide will appear on the screen, their order, etc. 1 Mark each	2
j.	Mention any two view options available in OpenOffice Impress. Explain each. Normal- This is the main editing view for writing and creating slides. Outline- This displays an outline of the text in the slides. Slide sorter:This presents all slides of the presentation in a miniature form. It helps in viewing all slides together and allows easy moving of slides. Slide show: It shows slides as they will be actually presented. No editing can take place in this view. (Any two) 1 Mark each	2
k.	Mention any three options available in the slide show tab of OpenOffice Impress and explain each. Slide show- To start slide show Slide show settings- Settings for slide show, slide to start etc. Rehearse timings – To give timings settings for the slide. Custom animation- Select the element on the slide on which the animation has to be applied. 1 Mark each	3
l.	Mention any three types of charts available in OpenOffice Calc and explain each. Column chart,Bar chart, Scatter chart.Pie chart,line chart	3

	Explanation of any three 1 Mark each	
IVa.	What are the attractions in using multimedia? Yielding Simplicity and Ease of use,Interactive Interface,BetterUnderstanding of the Content, Cost Effectiveness,Having Fun element 1 Mark	1
b.	What is GIMP? GIMP is an acronym for GNU Image Manipulation Program. It is an open source software suite to create, edit, enhance and manipulate images. 1 Mark	1
c.	Write the steps to install GIMP in your computer. Download the Installer: It is downloadable from http://www.gimp.org/downloads/. Execute the Installer: The installer is usually saved in the Downloads folder. Run the installer. Select the Language for Installation, Click on install button to initiate the process. Follow the Trailing Prompts for Installation. 1 Mark	1
d.	How to create a new image in GIMP? File Menu New or by pressing Ctrl + N . A dialogue box named *"Create a New Image" gets popped up.* The dialogue "Create a New Image" displays the default image size. 2 Marks	2
e.	What is the use preference tab? Preferences tab in GIMP allows adjustment features like configuring keyboard shortcuts, enabling previews, maintaining interfaces, calibrating monitors, editing window appearances,and doing color management. 2 Marks	2
f.	What is the use of smudge tool? Smudge tool is used for smearing color pixels on a selected layer. Smudging is used to soften color transitions, make the image blurry, hide objects, and to create textures,smudge. When a smudge tool is applied on an image, it selects the available color and merges it with the other colors present on the image. 2 Marks	2
g.	Write note on i) Gaussian Blur - It is an effective blur tool that performs in relatively short span of time by allowing a user to vary the dimensions and magnitude of blurring. It considers the average of all pixel values occurring in defined area of interest in an image. ii) Motion blur- It creates motion effects in a particular direction with Linear, Radial or Zoom movements which could be enhanced with length (1-256) and angle (0-360) settings. 1 ½ Marks each	3
V a.	Mention any two steps you would take if the monitor is not showing any display or the screen is blank. The System is in Sleep Mode: The computer may be in Sleep mode. Click the mouse or press any key on the keyboard to wake it up. Check All Connections: For a desktop, ensure a proper connection of a cable connecting the monitor and a computer cabinet. Laptop's Battery is Low: The laptop's battery could be very low, causing the laptop to switch off. (Any two) ½ Mark each	1
b.	Mention any one trouble shooting step you would take if the printer is not responding. The Printer is Not Connected Properly or Not Switched On: Ensure that the	1

		printer cables are connected properly. The Printer is Out Of Paper: The Printer Paper Jam (Paper is Caught in the Printer): Open the printer and remove the paper caught in the printer. (Any one) 1 Mark	
c.	How can one free disk space on the computer? Run a Disk Clean Up Application- To get some more disk space, run the Disk Cleanup Application. Delete Unused Files and Programs- Periodically delete files and programs you do not need. This will increase the free space on your disk, increasing the performance of your computer Empty Your Recycle Bin This can be done by right-clicking on the Recycle Bin icon (usually on the desktop), and then selecting Empty Recycle Bin. 2 Marks	2
d.	Mention any two steps you would undertake when the speaker is not working properly. Check Speaker Volume Level,Check Audio Player Controls, Check the Cables, Check the Sound Using Headphones. Explanation – 2 Marks	2
	End of the Question Paper	