



MILITARY TECHNOLOGICAL COLLEGE  
ACADEMIC YEAR

GENERAL FOUNDATION PROGRAMME

SAMPLE EXAMINATION PAPER

Date	Duration of exam
	90 Minutes

**STUDENT DETAILS**

Module Name	COMPUTING	Module Code	MTCG1015
Student ID No.		Seat No.	

**INSTRUCTIONS TO STUDENTS**

1. Follow the instructions given in each part of the exam.
  2. Use blue or black ball-point pen.
  3. Do not bring or open any notes/references during the exam.
  4. Answer the questions in SECTION A, SECTION B and SECTION C on the paper.
  5. SECTION D is the practical exam, you need to create three files according to the instructions given.
  6. After completing the SECTION D, you must save all three files in a zipped folder and submit your files in the Moodle.
  7. Mark distribution is shown in the table below.
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**MARK DISTRIBUTION**

	Marks Allocated	1 <sup>st</sup> Marker	2 <sup>nd</sup> Marker
<b>SECTION A</b>	15		
<b>SECTION B</b>	5		
<b>SECTION C</b>	5		
<b>SECTION D</b>	25		
Total Marks = 50		/50	/50
Final Mark		/50	

1<sup>st</sup> Marker  
Name and Signature

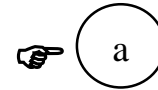
2<sup>nd</sup> Marker  
Name and Signature

## SECTION A

Multiple Choice questions: -

**Total Marks 15**

**Read the following questions and circle the right answer: Example:**



- 1) Computer needs ..... to work.
  - a. folder
  - b. programs
  - c. document
  
- 2) Which of the following program is an **Operating System**?
  - a. Zip/ Unzip
  - b. Android
  - c. Photoshop
  
- 3) A **scanner** is .....
  - a. an input device
  - b. an output device
  - c. a storage device
  
- 4) **RAM** stores data .....
  - a. Permanently
  - b. during and after processing
  - c. even without power
  
- 5) Which of the following is **NOT** true?
  - a. 1 KB = 1000 bytes
  - b. 1 GB = 1024 MB
  - c. 2 MB = 2048 KB
  
- 6) Which company is a manufacturer of **CPUs**?
  - a. Intel
  - b. Adobe
  - c. Microsoft
  
- 7) **Formatting** storage media is .....
  - a. a way to delete unwanted files
  - b. a method to increase the available storage space
  - c. the process of preparing a data storage device for initial use

- 8) How to protect your computer from **malware**?
- Shut down the computer
  - Scan the files before you open them
  - Disable the firewall
- 9) **Backing up** is .....
- copying files or data to at least one alternative medium
  - not relevant with storage media failures
  - copying files or data into same medium
- 10) Which of the following is **NOT** a **web browser**?
- Google Chrome
  - Firefox
  - Yahoo
- 11) Local Area Network (LAN) .....
- is in a potentially large geographical area
  - cannot share resources
  - is a network that connects a relatively small number of computers
- 12) Which one is an **Internet connection**?
- Extranet
  - Intranet
  - Broadband
- 13) **Data transfer rate** refers to .....
- the speed of data processing
  - the speed of data movements on a network
  - quality of the communication
- 14) The **Internet** is .....
- a global protocol
  - a global operating system
  - the largest computer network in the world

- 15) **HTTP** is a .....
- a. language of creating web documents
  - b. programming language
  - c. protocol for exchanging files

## **SECTION B**

**Total Marks 5**

**PART I: Underline the correct answer: -**

**5 Marks**

1. LCD stands for ..... (**Lithium Chemical Display / Liquid Crystal Display**)
2. VGA Port is used to connect a ..... (**printer / Projector**)
3. ROM is an example for ..... (**Primary storage / Secondary storage**)
4. Magnetic Technology is used to manufacture ..... (**CD / hard disk drives**)
5. To join the internet, the computer has to be connected to a..... (**ISP / internet society**)
6. No one owns Internet.(**True / False**)
7. To open the start screen ..... (**press the Tab key / press the Windows key**)
8. Shut down the computer properly to .....(**avoid data corruptions / save data from Malware**)
9. The **password policy** encourages users to use a .....(**strong password / lengthy password** )
10. **Folders** are used to ..... files in the computer. (**organize / create**)

## SECTION C

Short Answer questions: -

**Total Marks 5**

1. What is the main function of an **output** device? **1 Mark**
  
2. Write **two** main things you consider when you are **buying** a laptop computer. **1 Mark**
  
3. Write **two risks** associated with network computing. **1 Mark**
  
4. Give **two** examples of web based e-mails. **1 Mark**
  
5. Write **one method of securing the data** before transmission through the Internet. **1 Mark**

## SECTION D

### PART I: MICROSOFT WORD PRACTICAL EXAM: -

**Total Marks 9**

- Step1** Create a **Word file** on the Desktop.
- Step2** **Rename** the file as your “student ID Number”. (1 Mark)
- Step3** **Page Margins:** Normal (1 Mark)
- Step4** **Page orientation:** Landscape (1 Mark)
- Step5** Type the **text** (title and paragraph) shown below on **Page1**. (1 Mark)

### Academy award

The Academy Awards, informally known as The Oscars®, are a set of awards given annually for excellence of cinematic achievements.

- Step6** Select the title “**Academy award**” and format. (1 Mark)
1. **Font:-** Lucida Bright, 13 point
  2. **Alignment:-** Center
- Step7** Insert **Drop Cap** to the Paragraph. (1 Mark)
- Step8** Add page numbers at the **Bottom of the page**. (1 Mark)
- Step9** Insert your **Student ID Number** as Footer. (1 Mark)
- Step10** Design a **Custom Watermark** in the document with the text “**Academy award**”. (1 Mark)
- Step11** **Save** your file.

**PART II: MICROSOFT POWERPOINT PRACTICAL EXAM: -**

**Total Marks 7**

**Step1** Create a **PowerPoint** file on the desktop.

**Step2** **Rename** the file as your “student ID Number”.

(1 Mark)

**Step3** Open the PowerPoint file and make slides with the following details:

**Slide1:-**

**Slide layout:** Title Slide

(0.5 Mark)

**Title:** IoT - Internet of Things

(0.5 Mark)

**add subtitle:** What is IoT?

(0.5 Mark)

**Theme:** Facet

(1 Mark)

**Transition:** Blinds

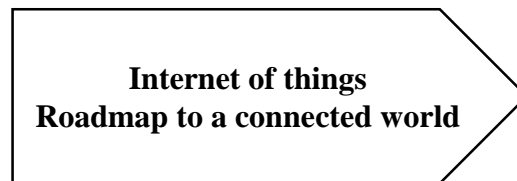
(0.5 Mark)

**Slide Master:-**

**View** the **Slide Master** and make the following changes.

Insert the following **shape** on **Title and Content Layout** and **type the text** as it is.

(2 Marks)



**Close Master View**

**Slide2:-**

**Slide layout:** Title and Content

(1 Mark)

**Step4** **Save** your file.

**PART III: MICROSOFT EXCEL PRACTICAL EXAM: -**

**Total Marks 9**

**Step1** Create an Excel file on the Desktop.

**Step2** Rename the file as your “Student ID Number”. (1 Mark)

**Step3** Type the table below on sheet1: (1 Mark)

Resistors in Series				
Series Name	R1 (K)	R2 (K)	R3 (K)	Total resistance (RT)
Series 1	11	10		121
Series 2	110	10		240
Series 3	11	120		231

**Step4** Rename sheet1 as “Resistors”. (1 Mark)

**Step5** Calculate Missing Resistant ( $R3 = RT - (R1+R2)$ ) for each Row. (1 Mark)

**Step6** Type the following table on sheet2. (1 Mark)

Voltage across (V)	Current (A)
0	0
2	1
4	2
6	3
8	4.5
10	6

**Step7** Insert a Scatter with Smooth Lines and Markers chart to show the relationship between amount of voltage and current. (2 Marks)

**Step8** Make the following changes on the chart

1) Change the chart title as “Ohm’s law”. (1 Mark)

2) Include data labels on the chart. (1 Mark)

**Step9** Save your file.



## **Folder Submission Procedure**

Five minutes before the end of the exam:

- 1) Put all three Word, PowerPoint and Excel files into a new folder.
- 2) Rename the folder as your “Student ID Number and Name”.
- 3) Place it on the Desktop and inform your invigilator.
- 4) Make sure that your Invigilator has copied your folder into USB.

### **Important**

**If we do not find your folder with the files (MS Word, MS PowerPoint and MS Excel), you will be given zero.**

-----End of the Exam-----