ROLL NUMBER				

INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

INFORMATICS PRACTICES

CLASS: XII | Sub.Code: 065 | Time Allotted: 50mts.

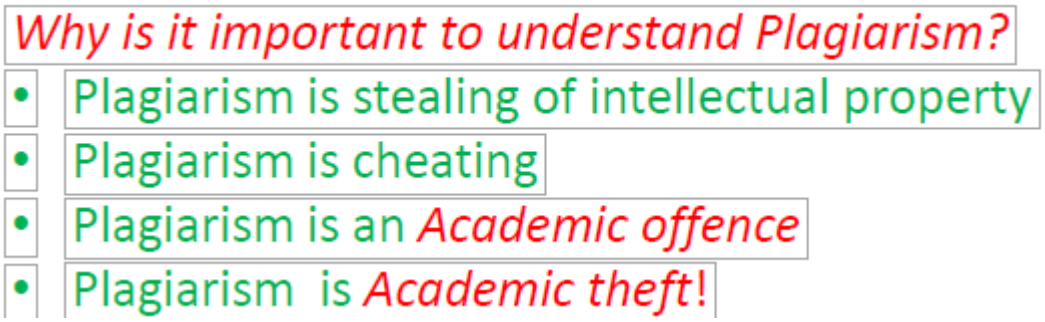
30.05.2022 | **Marking Scheme** | Max .Marks: 20

GENERAL INSTRUCTIONS:

Read the Questions properly before start writing the answer(s).

All the Questions are Compulsory

1.	Define Cyber Crime and write any two types of Cyber Crime. CyberCrime-Any crime that involves a computer and a network is called a "ComputerCrime"or"CyberCrime. Types of Cyber Crime A computer is the target of the attack"for example, a data breach on a bank site A computer is the weapon for an attack"for example, a denial of service (DoS) attack A computer is an accessory to a criminal act"for example, digital identity theft which leads to theft of funds from a bank account 1+1= 2 mark	2
2.	What do you understand by the term "Cyber Bulling"? Cyberbullying is the use of technology to harass, threaten or humiliate a target. Examples of cyberbullying is sending mean texts, posting false information about a person online, or sharing embarrassing photos or videos. 1 mark	1
3.	Define E-waste. E-Waste -Whenever an electronic device covers up its working life, or becomes	1

	non-usable due to technological advancements or becomes non-functional, it is not used anymore and comes under the category of e-waste or electronic waste. As the technology is changing day by day, more and more electronic devices are becoming non-functional and turning into e-waste. Managing such non-functional electronic devices is termed as e-waste management. 1 mark	
4.	How to avoid web beacons and other tracking technologies? You can normally render them ineffective by switching off cookies in your browser. There are also browser add-ons and extensions that specifically block web beacons. To avoid web beacons in emails, you can turn off images in your email service. 2 marks	2
5.	Define Plagiarism. Why is it important to understand Plagiarism? Plagiarism is "the act of presenting the words, ideas, images, sounds, or the creative expression of others as it is your creation or your own." The word plagiarism is derived from the Latin word plagiare, which means to kidnap or abduct 1+1=2 mark 	2
6.	Write the full for of PANDAS. PANDAS (PANel DAta) is a high-level data manipulation tool used for analysing data. 1 mark	1
7.	Define Series with an example. A Series is a one-dimensional array containing a sequence of values of any data type (int, float, list,string, etc) which by default have numeric data labels. Any proper example ½+1/2 = 1mark	1
8.	What do you understand by NaN? Explain. Not a Number (Meaning is Empty) - With proper explanation 1 mark	1
9.	Create the following Series named as S1 with the values from 1 to 10.	1

	import numpy as np import pandas as pd A=pd.Series(np.arange(1,10)) 1 mark Print(A)	

10.	Find the output of the following:
	>>>import numpy as np
	>>>import pandas as pd
	>>>b=p.Series(np.arange(1,5,1),index=['a','b','c','d'])
	>>> b[1:3]=50
	>>> print(b)
	a 1
	b 50
	c 50
	d 4 2 mark (correct output)	

11.	Explain any two attributes of Series with an example. Attribute :name Use :assigns a name to the Series Attribute =index.name use :assigns a name to the index Attribute :values Use :prints a list of the values in the series Attribute :size Use :prints the number of values in the series Attrubute : empty Use: prints true if it is empty Any two above attribute explanation with an example. 1+1=2 mark	2
12.	Find the output of the following: >>>a=p.Series([20,30,50],index=['a','b','c']) >>>b=p.Series([40,50,60],index=['a','c','d']) >>> print(a+b) 60 NaN 100 NaN 1 mark >>>print(a-b) -20 NaN 0 NaN 1 mark	2
13.	Write the use of the following mehods: (a) Series.dtype - Returns data type of tge underlying data 1 mark (b) Series.hasnans - Series.hasnans=Returns true if there are any NaN 1 mark	2

*****End of the Question Paper*****