INDIAN SCHOOL MUSCAT
SECOND TERM EXAMINATION
COMPUTER SCIENCE 083

CLASS: XI   TERM 2   Max.Marks: 35

MARKING SCHEME			
SET A	**QNO**	**VALUE POINTS**	**MARKS SPLIT UP**
	1.	Electronic devices which are becoming non-functional are called e-waste. On environment -Acidification of soil, Air pollution **– 1 Mark** On Human Health -Lung cancer, Asthmatic bronchitis Any two hazards **– ½ Mark each**	(2)
	2. (i)	d={'10':'Monday', '20':'Tuesday' , 30:'Wednesday'} **– 1 Mark**	(1)
	(ii)	{1: 'P', 2: 'Y', 3: 'T', 4: 'H', 5: 'O', 6: 'N'} **– 1 Mark**	(1)
	3.	(a) Eavesdropping- Interception of communication between two parties by a malicious third party. **– 1 Mark** (b) Any two tips to safely browse internet. **– ½ Mark each** ▪ Use an antivirus & Firewall ▪ Create strong passwords	(2)
	4.	OUTPUT: (ii) **– 1 Mark** Maximum value of Lower: 3 **– ½ Mark** Maximum value of Upper: 4 **– ½ Mark**	(2)
	5.	Netiquette –is short for "Internet etiquette "or communication etiquettes over internet. It is Just like etiquette-a code of good behavior on the Internet. **– 1 Mark** Any 2 rules **– ½ Mark each** ▪ Respect other people's privacy ▪ Obey Copyright Laws	(2)
	6. (i)	Ransomware **– 1 Mark**	(1)
	(ii)	Plagiarism **– 1 Mark**	(1)
	7.	Output: 92.56 -92 -88 import math **– ½ Mark each**	(2)

		OR	
		Output: 50 20 **–1 Mark each**	

SECTION – B
Each question carries 3 marks

8.   (3)

(a) Any 2 disability issues**.**   **– ½ Mark each**
- Unavailability of teaching materials/aids
- Lack of special needs teachers
- Lack of supporting curriculum

(b) cyber trolling –Cyber trolling is internet slang for a person who intentionally starts arguments or upsets others by posting inflammatory remarks. The sole purpose of trolling is angering people.   **– ½ Mark**
 cyber bullying- Saying and/or doing mean things to the person online. .It is a harm inflicted through using the Internet, ICT devices, or mobile phones..   **– ½ Mark**

(c) software licensing – is a document that provides legally binding guidelines to the person who holds it for the use and distribution of software.   **– ½ Mark**
Any one example of software license.   **– ½ Mark**
Creative Commons (CC) ,GPL, Apache license

OR

Differences:
  (a) Copyright and Patent
      Copyright- to protect literary and artistic work–The Copyright Act)
      Patent- (to protect technologies The Patent Act).
                                         – ½ Mark each
  (b) Phishing and Hacking
      Phishing- is a cyber attack that uses disguised email as a weapon. The attackers masquerade as a trusted entity of some kind,
      Hacking –is the process of gaining unauthorized access into a computing device, or group of computer systems. This is done through cracking of passwords and codes which gives access to the systems.   **– ½ Mark each**

  (c) Active and Passive footprints
An active digital footprint is where the user has deliberately shared information about themselves either by using social media sites or by using websites.
A passive digital foot print is made when information is collected
From the user without the person knowing this is happening
                                                . **– ½ Mark each**

	9. (i)	Length of the tuple: 4 **– 1 Mark**	(1)

	(ii)	Output:
		    (a) (3, 4, '5', '6') **– 1 Mark**
		
		    (b) ([2, 1], 'abc', 0, 9) **– 1 Mark**
			(2)

	10.	Output:
		    (i) dict_values([' Panaji', 'Patna', 'Mumbai', 'Jaipur']) **– 1 Mark**
		
		    (ii) True **– 1 Mark**
		
		    (iii){'Goa': ' Panaji', 'Bihar': 'Patna', 'Maharashtra': 'Mumbai'} **– 1 Mark**
			(3)

		Section C **Each question carries 4 marks**	
	11.	(i) len(List) **– 1 Mark** (ii) d. List.extend([25,11]) **– 1 Mark** (iii) List.remove(15) or List.pop(1) **– 1 Mark** (iv) List.sort(reverse=True) **– 1 Mark** print(List)	(4)

	12. (i)	for i in lst: **– 2 Mark for correct logic**
		    if i % 2 != 0:
		        lst.remove(i)
		print(lst)
		
		OR
		
		n = int(input('Enter number of employees whose data is to be stored '))
		employee = dict()
		for x in range(n):
		    name = input('Enter the name of employee ')
		    salary = int(input('Enter the salary '))
		    employee[name] = salary
		    print("\nEmployee Name \t\t Salary")
		for k in employee:
		    print(k,'\t\t',employee[k]) **– 2 Mark for correct logic**
			(2)

	(ii)	t=eval(input("Enter a tuple of numbers")) av= sum(t)/len(t) print("Average is ",av) **– 2 Mark for correct logic**	(2)
	13.	Explain the following: (a) OSS –open source software means any program whose source code is made available publically for use or modification. **– 1 Mark**	(4)

		(b) IPR –Intellectual Property Right (IPR) is the statutory right granted by the Government, to the owner(s) of the intellectual property or applicant(s) of an intellectual property(IP) to exclude others from exploiting the IP commercially for a given period of time in lieu of the discloser of his/her IP in an IPR application. **-1 Mark** (c) Computer virus-It is a small piece of software that can spread from one infected computer to another. It can corrupt, steal, or delete data on your computer/hard drive. **-1 Mark** (d) Copyright Infringement-Typically involves someone using another person's original creative work, or a copyrighted work, without permission e.g. Downloading music or films without paying for their use etc. **-1 Mark**	