

INDIAN SCHOOL MUSCAT**FIRST TERM EXAMINATION****SEPTEMBER 2018****CLASS XI****Marking Scheme – INFORMATICS PRACTICES [THEORY]****SET A**

Q.NO.	Answers	Marks (with split up)
1. (a)	RJ45 Port is used for Ethernet connections and can be used between computer and any networked device, such as a cable modem or a network hub.	1
(b)	Biometric sensor is used to recognize individuals based on physical or behavioral traits. It is used to mark attendance of employees / students in organizations / institutions.	1
(c)	BIOS, Operating System, Device Drivers, Language Processors – Any two ½ mark each	1
(d)	any two types of Operating System – Single user, Multi user, Real time – ½ mark each	1
(e)	Unicode – Universal standard coding irrespective of platform Applicable for Asian scripts	2
2. (a)	Interpreter is a software to convert high level language program to machine language and execute line by line. It gives error one at a time	2
(b)	A text editor is a software which allows one to simply make some quick changes to the text. Doesn't allow one to do much formatting whereas a word processor is a software which allows one to do formatting on texts. Also one can insert special symbols, change colors, line spacing, tables etc.	2
(c)	CIA –Confidentiality, Integrity and Authentication ½ mark Confidentiality ensures protection of the computer system from any unauthorized access ½ mark Integrity ensures that information stored in the computer is protected ½ mark Authentication ensures the authenticity of the authorized user ½ mark	2
(d)	e-waste – electronic waste refers to discarded electrical or electronic devices such as discarded computers, office electronic equipment, entertainment device electronics, mobile phones, television sets and refrigerators etc. 1 mark Dismantling, segregation of ferrous metal, non-ferrous metal and plastic, Refurbishment and reuse, Recycling / recovery of valuable materials, Treatment / disposal of dangerous materials and waste – any three methods of its disposal with explanation – 3 marks	4

(e)	<p>(i) Virus – Computer programs developed to copy themselves and infect other files stored on the computer. They spread through network or internet or thru CD, DVD, pen drive or memory cards. They cause destruction to the entire file system and also reduces hard disk space. 2 marks</p> <p>(ii) Worms –A program made to replicate automatically. Spreads through internet or thru copying files from one system to another It eats up memory 2 marks</p>	4
3. (a)	Text Area	1
(b)	Project Window shows a logical view of important project contents.	1
(c)	<pre>private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { System.exit(0); }</pre>	2
(d)	<p>getText() –To retrieve the display text of a component like label, text field or button at run time</p> <p>parseInt()- To convert a string value to Integer type</p> <p>1 mark for each</p>	2
(e)	<p>Label - JLabel 1 Text – Enter your name</p> <p>Text Field – JTextField1 Text – blank space</p> <p>Button - JButton1 Text –OK</p>	2
(f)	<pre>private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { jTextField2.setText(Double.toString(Double.parseDouble(jTextField1.getText())*1.8+32)) }</pre>	2
4. (a)	SQL – Structured Query Language	1
(b)	Admno is the Primary key	1
(c)	<p>Number of rows in a table is known as the cardinality of a table. 1 mark</p> <p>Example 1mark</p>	2
(d)	CREATE TABLE SHOP	2

	(Itemcode INT PRIMARY KEY, ItemName VARCHAR(20), Qty INTEGER, Price DECIMAL(7,2));	
(e)	(i) 8 (ii) 45.68 (iii) 5 (iv) 11 1 mark for each	4
5. (a)	any two DDL commands in SQL – CREATE TABLE, ALTER TABLE, DROP TABLE - ½ mark each	1
(b)	ALTER TABLE BOOK MODIFY Category CHAR(20);	1
(c)	any two string functions in MYSQL with examples – 1 mark for each LOWER, UPPER, INSTR, SUBSTRING, LEFT, RIGHT, LENGTH, CONCAT, TRIM, ASCII, CHR – any two	2
(d)	SELECT * FROM SALESMAN WHERE City = 'Mysore' ORDER BY Commission DESC;	2
(e)	(i) INSERT INTO GYM(PrCode, PrName) VALUES ('P104', 'TreadMill'); (ii) DELETE FROM GYM WHERE PrCode = 'P102'; (iii) UPDATE GYM SET UnitPrice = UnitPrice + 5 WHERE PrCode = 'P105'; (iv) SELECT * FROM GYM WHERE PrName LIKE 'V%r'; 1 mark for each	4
6. (a)	(i) SELECT DISTINCT Company FROM STATIONERY; (ii) SELECT * FROM STATIONERY WHERE Price > 5 AND Company = 'XYZ'; (iii) SELECT Name FROM STATIONERY WHERE S_ID LIKE 'P%'; (iv) SELECT Name, Price FROM STATIONERY WHERE Company = 'ABC'; (v) SELECT S_ID, Price*3 "New Price" FROM STATIONERY; (vi) SELECT * FROM STATIONERY WHERE Price BETWEEN 4 AND 8;	6
(b)	(i) PL01 Pencil (ii) Eraser 7 (iii) Eraser Pencil Pencil (iv) PL01 1 mark for each	4
(c)	(i) SELECT DAYOFMONTH(LAUNCHDATE) FROM DRESS; (ii) SELECT YEAR(LAUNCHDATE) FROM DRESS; (iii) SELECT SUBSTRING(DESCRIPTION,2,3) FROM	6

	(iv) SELECT LOWER(DESCRIPTION) FROM DRESS; (v) SELECT DAYNAME(LAUNCHDATE) FROM DRESS WHERE DESCRIPTION='FORMAL SHIRT'; (vi) SELECT NOW();	
(d)	(i) FROCK (ii) 10043 (iii) 10012 10008 10050 10024 10043 (iv) FORMAL SHIRT FORMAL PANT 1 mark for each	4