

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

Q.NO.	Answers	Marks (with split up)
1.		
(a)	USB Port is used for data transfer between devices with little electric power.	1
(b)	QR code Reader is used to read the code	1
(c)	two examples of Utility Software – Compression Utility software, Back up Utility software, Disk De-fragmentation Utility software, Antivirus detection and protection software, Text editor Any two – ½ mark each	1
(d)	(i) BIOS – Basic Input Output System / Services (ii) CAPTCHA – Completely Automated Public Turing Test To Tell Computers and Humans Apart ½ mark for each	1
(e)	ASCII – American Standard Code for Information Interchange Standard code for each key in the keyboard	2
2.		
(a)	Presentation Tools –A general purpose Application software that facilitates the creation of presentations on any particular topic. Ex : Microsoft Power Point	2
(b)	A Compiler is used to convert a high level language program into machine language and creates a Object program. It lists all the error in the program 1 mark for each	2
(c)	security measures that can be adopted to minimize threats to a system. <ul style="list-style-type: none">• A computer should be used only by authorized users• Password should be changed regularly• Never download any email attachment from an unknown sender• Must take backup of the computer system regularly Any two – 1 mark for each	2
(d)	Central Processing Unit – 1 mark	4

	ALU, Control Unit, Memory Unit – 1 mark for each	
(e)	<p>Digital Signature – it is a method for proving the authenticity of a message or document or attachment or software sent through email. A valid digital signature gives a recipient enough reason to believe that the message was created by the known sender, is completely safe and authentic and that it was not modified.</p> <p>Digital Certificate – it is an electronic document which uses a digital signature to bind together a public key or password required for decode and encoded document with an authentic identity such as the name of a person or an organization, their phone numbers or address and so forth. It can be used to verify that a public key belongs to an authorized individual or organization.</p> <p>2 marks for each</p>	4
3. (a)	“Mid-term”.concat(“Exam”) returns Mid-termExam	1
(b)	Design Area is the place where we add all the components of the form	1
(c)	<pre>private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { JOptionPane.showMessageDialog(null,"ALL THE BEST!"); }</pre>	2
(d)	<p>Text field is used to accept single line of text</p> <p>Text Area is used to accept or display multiple lines of text</p> <p>1 mark for each</p>	2
(e)	<p>Label – jLabel1</p> <p>Text – Train Number</p> <p>Text Field – jTextField1</p> <p>Text – 18203</p> <p>Button – jButton1</p> <p>Text – Submit</p>	2
(f)	<pre>private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { jTextField2.setText(Double.toString(Double.parseDouble(jTextField1.getText())*2*3.14); }</pre>	2
4. (a)	A database is an organized collection of interrelated tables	1
b)	Candidate keys - Itemcode, Itemname ½ mark for each	1
(c)	<p>The number of columns /attributes of a table is known as the degree of a table 1 mark</p> <p>Example 1 mark</p>	2

(d)	CREATE TABLE LIBRARY (BookNo int PRIMARY KEY, BookName VARCHAR(40), Publisher VARCHAR(50), Qty int);	2
(e)	(i) INSERT INTO FARES(FLNO, Airlines) VALUES ('WY251','Srilankan Airlines'); (ii) DELETE FROM FARES WHERE FLNO = 'K102'; (iii) UPDATE FARES SET Amount = Amount+Amount*0.05 WHERE Airlines = 'Qatar Airways'; (iv) SELECT * FROM FARES WHERE Airlines LIKE 'S%s'; 1 mark for each	4
5. (a)	DESC STUDENT;	1
(b)	ADD TABLE EMPLOYEE Dept CHAR(30); ALTER TABLE EMPLOYEE ADD Dept CHAR(30);	1
(c)	Explanation of any two Date functions in MYSQL with examples – 1 mark for each	2
(d)	SELECT * FROM ORDERS WHERE Amount >1000 ORDER BY Ord_date;	2
(e)	(i) GOODLUCK (ii) 45.67 (iii) ECT (iv) 11 1 mark for each	4
6. (a)	(i) SELECT DISTINCT Make FROM CAB; (ii) SELECT * FROM CAB WHERE Make='Tata' AND Charges<15; (iii) SELECT VName FROM CAB WHERE VName LIKE '%a'; (iv) SELECT VName, Capacity FROM CAB WHERE Make = 'Hyundai'; (v) SELECT VCode, Charges+2 "New Charges" FROM CAB; (vi) SELECT * FROM CAB WHERE Charges BETWEEN 14 AND 16; 1 mark for each	6
(b)	(i) 102 Innova (ii) City 4 Jazz 4 (iii) Innova (iv) 101 108 1 mark for each	4
(c)	(i) SELECT DAYOFMONTH(JOIN_DATE) FROM EMPLOYEES;	6

	(ii) SELECT YEAR(JOIN_DATE) FROM EMPLOYEES; (iii) SELECT SUBSTRING(NAME,3,2) FROM EMPLOYEES; (iv) SELECT UPPER(CITY) FROM EMPLOYEES; (v) SELECT DAYNAME(JOIN_DATE) FROM EMPLOYEES WHERE NAME='George'; (vi) SELECT CURDATE(); OR SELECT SYSDATE(); 1 mark for each	
(d)	(i) George (ii) 335 300 (iii) 300 335 152 215 440 (iv) New Delhi Boston 1 mark for each	4