

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

Q.NO.	Answers	Marks
I. 1.	Speed, Accuracy, High storage capacity, Versatility and Reliability (One line explanation of any two features).	$\frac{1}{2} + \frac{1}{2} = 1$
2.	e-Governance refers to the application of electronic means in governance with an aim of full filling the requirements of common man at affordable cost and in the fastest possible time.	1
3.	Moodle is an open source course management software which is also known as CMS. It supports virtual learning environment through which education can create online dynamic websites for students.	1
4.	<ul style="list-style-type: none">• Poor telecom and infrastructure for reliable connectivity• Multiple issues of trust	$\frac{1}{2} + \frac{1}{2} = 1$
5.	www.w3school.com www.exelearning.com (Any two websites)	$\frac{1}{2} + \frac{1}{2} = 1$
6.	<ul style="list-style-type: none">• Reduced overall cost• Reduced learning time• Cost effective fast updation• Increased retention	$\frac{1}{2} + \frac{1}{2} = 1$
II 1.	Software is a set of programs used to run the hardware of the computer. Eg: MS-WORD,MS-POWERPOINT,MS-EXCEL,DBMS SOFTWARE (Any two)	$1 + 1 = 2$
2.	<ul style="list-style-type: none">• Microprocessor were used• Reduced size and tremendous speed• High Level languages were used• Reduced cost	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$
3.	Minicomputer fall in between Microcomputers and Mainframe computers. They are normally used as mid range servers. They can do several jobs at once. Their size is smaller than mainframe computers. Many people can use it at the same time.	2

4.	Utility software are programs that assist the computer to perform housekeeping functions. Eg: AntiVirus software, File management tools, Compression tools	1 + 1 = 2
5.	A computer power supply has a number of functions. It converts AC to DC. It converts 240v AC to 12 V DC or 3.3 V DC or 5 V DC. It uses advanced power management to allow the computer to go in standby mode.	2
6.	Network card allows computers to join a network. It can be wired or wireless. The standard used is called Ethernet – covers both wired and wireless. Wired standards include fast Ethernet and gigabyte Ethernet. Wireless standards are B-standard and N-standard	2
7.	Random Access Memory is used to store instructions and data's before being processed by the Microprocessor. RAM is a volatile memory, the data's will get erased when the power is switched off.	2
8.	Digital computers work on discrete data. It can process data with great accuracy. They use microprocessors in it, generally used for business and scientific data processing.	2
9.	Serial Port is a 9 pin port often called com1, com2 ports, Mice and external modems were connected to these ports. They are turquoise in colour. CD-R is only write once compact disc used to store digital data's. It has a dye layer which changes from transparent to opaque with the help of two types of intensity lasers.	1 ½ + 1 ½ = 3
III. 1.a)	CREATE TABLE PRODUCT (Pid char(5) Not Null Primary Key, Pname char(25), Company char(25), Price decimal(6,2));	3
b)	Insert into PRODUCT values ("DP01", "Dot Pen", "Rotomac", 10) ; At least 4 rows to be inserted	2
c)	SELECT Pname, Price FROM PRODUCT ;	1
d)	SELECT DISTINCT(Pname) FROM PRODUCT ;	1
e)	SELECT Pid FROM PRODUCT WHERE Company = "Rotomac" ;	1
f)	SELECT Pname , Price FROM PRODUCT WHERE Price NOT BETWEEN (6 AND 10) ;	1
g)	SELECT * FROM PRODUCT ORDER BY PRICE ASC ;	1
h)	SELECT Pname FROM PRODUCT WHERE Pname LIKE "%n" ;	1
i)	SELECT Pname FROM PRODUCT WHERE Pname LIKE "----" ;	1
j)	SELECT MAX(Price) FROM PRODUCT ;	1

k)	UPDATE PRODUCT SET PRICE = 5 WHERE Pid = "ER05" ;	1
l)	DELETE FROM PRODUCT WHERE Pname = "DotPen" ;	1
IV. 1.	Each column in a relation/table is known as an attribute.	1
2.	Primary key is used to uniquely identify a row in a relation. Primary key column values cant have duplicates values in it.	1
3.	Data Definition Language commands are used to create the tables,databases,indexes,views ,sequences etc. eg: CREATE TABLE COMMAND	1
4.	Number,Decimal,char,varchar, date ,long,row etc (Any two).	$\frac{1}{2} + \frac{1}{2} = 1$
5.	All the candidate keys other than the primary key of a relation/table are alternate keys of that relation/table.	1
6.	<ul style="list-style-type: none"> • It is a non procedural language, so no need to specify a procedure to accomplish a task. • Large volumes of data can be handled quite easily. • Very easy to learn and use. 	$\frac{1}{2} + \frac{1}{2} = 1$
7.	Data's are raw facts and figures. They dont convey proper meaning. Information is processed data which is presented in a meaningful way.	$1 + 1 = 2$
8.	A view is a virtual table which is created from an existing table in a database. A view is like a window to some columns of a table. When we create a view , its structure is the same copied from the existing table. We use CREATE VIEW command in to create a view.	2