

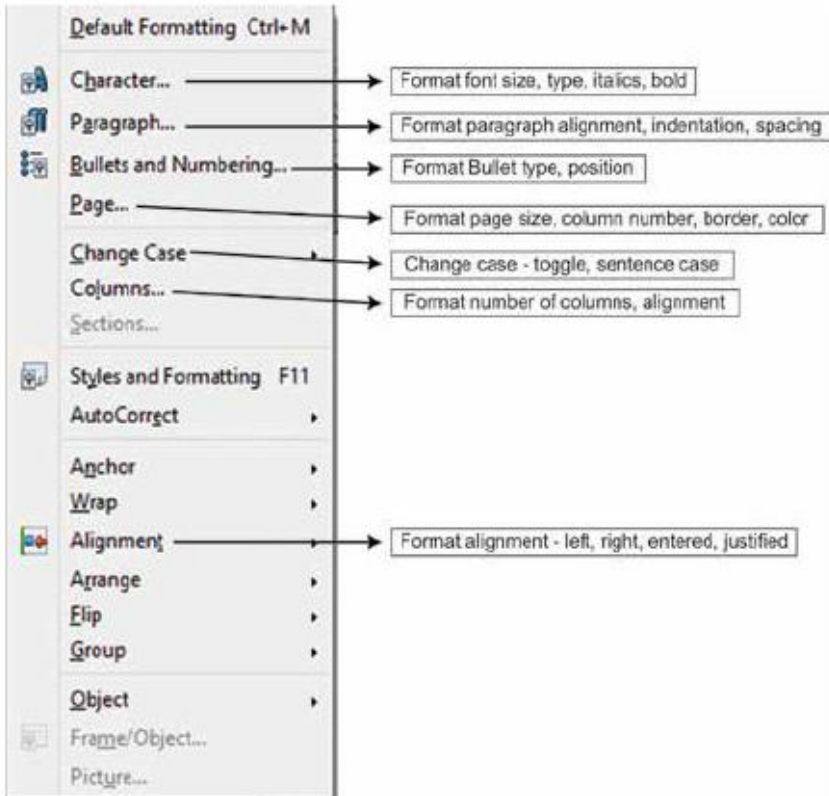
SET	A/B/C
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**INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
INFORMATION TECHNOLOGY**

CLASS: XI

Max.Marks: 60

MARKING SCHEME			
SET	QN.NO	VALUE POINTS Section- A (Employability Skills) (Any 10 Questions out of 11)	MARKS SPLIT UP
	1	Communication.	1
	2	<ul style="list-style-type: none"> • issue commands, • ask questions rudely and • fail to listen to others 	Any One :1
	3	Self – management skills strengths and weaknesses? Answer – Self – management skills strengths and weaknesses – Strengths – <ol style="list-style-type: none"> 1. Think that you are always good at 2. Think about what you do well 3. Think about what others appreciate about you Weaknesses – <ol style="list-style-type: none"> 1. Identify the areas where you struggle and what you find difficult to do 2. Accept the feedback you receive from others 3. Be positive with feedback and try to improve yourself. 	$\frac{1}{2} + \frac{1}{2} = 1$
	4	Write any two benefits of Team Work. The benefits of Teamwork <ol style="list-style-type: none"> 1. In a team, everyone has a role to play, so the pressure to succeed does not fall only on one person. 2. It is beneficial to have a support system since all team members help in the correction of any mistake done by one team member. 3. When the team succeeds, it gives you a nice feeling and boosts your confidence. 4. The work gets done faster 	$\frac{1}{2} + 1/2 = 1$
	5	Ctrl+B	1
	6	a. LibreOffice b. OpenOffice c. Microsoft Office d. Google Docs	$\frac{1}{2} + 1/2 = 1$

	7	Entrepreneurship	1
	8	Manufacturing Business	1
	9	What is a green economy? A green economy is one which promotes development while making sure that the environment is protected.	1
	10	NAPCC stands for _____. National Action Plan on Climate Change	1
	11.	Header	1
		Section-B (Answer any 6 out of 8 Questions)	
	Q2.		
	1.	1024 mb	1
	2.	a) Media Access Code b) Personal Area Network	$\frac{1}{2} + \frac{1}{2} = 1$
	3.	Domain Name : A Unique name assigned to any web site. Ex: www.google.com , www.cbse.nic.in	1
	4.	 <p>The screenshot shows the 'Format' menu in Microsoft Word. Arrows point from the following menu items to their descriptions:</p> <ul style="list-style-type: none"> Character... → Format font size, type, italics, bold Paragraph... → Format paragraph alignment, indentation, spacing Bullets and Numbering... → Format Bullet type, position Page... → Format page size, column number, border, color Change Case → Change case - toggle, sentence case Columns... → Format number of columns, alignment Alignment → Format alignment - left, right, entered, justified 	Any 2 $\frac{1}{2} + \frac{1}{2} = 1$
	5.	Cell is an intersection of rows and Columns	1
	6.	.ODP	1
	7	Number of rows	1

	8	Alter	1
	Q3	Any 5 Questions out of 6	
	1.	Operating System	1
	2.	Repeater	1
	3.	Ctrl+z and ctrl+y	$\frac{1}{2} + \frac{1}{2} = 1$
	4.	Relative, Absolute and Mixed	Any two $\frac{1}{2} + \frac{1}{2} = 1$
	5.	Empno int, Ename char, Sal int / decimal deptno – int deptname char Age- int (any 2 valid field names with the data type(s))	$\frac{1}{2} + \frac{1}{2} = 1$
	6.	Use	1
	Q4.	Any 5 Questions out of 6	
	1.	Cache memory	1
	2.	A transmission medium refers to the channel of transmission through which data can be transmitted from one node to another in the form of signal.	1
	3.	Router	1
	4.	Tab, ruler , work area , scroll bar, status bar , menu bar, toll bar	Any 2* $\frac{1}{2}$ =1
	5.	MySQL, PostgreSQL, Microsoft Access, Oracle, Microsoft SQL Server, DB2 and Sybase.	Any two $\frac{1}{2} + \frac{1}{2} = 1$
	6.	Update emp set sal=sal+100; correct query 1 mark	1
	Q5.	Any 5 Questions out of 6	
	1.	(a) Dynamic Random-Access Memory (b) Arithmetic and Logic Unit	$\frac{1}{2} + \frac{1}{2} = 1$
	2.	Every machine in a network has another unique identifying number, called its IP Address.	1
	3	Network Topology / Topology	1
	4	Print preview is a function provided for displaying a page, document or any other material before it is sent to a printer.	1
	5	Use	1
	6	desc	1
	Q6.	Any 5 Questions out of 6	
	1	Mother board	1

	2	(a) Organization (b) government	$\frac{1}{2} + \frac{1}{2} = 1$
	3	Convert the character or text from lower to upper or upper to lower or toggle case etc.,	1
	4	=A1+B12	1
	5	<p>– It requires no cost or payment for its usage.</p> <p><input type="checkbox"/> MySQL has superior speed, is easy to use and is reliable.</p> <p><input type="checkbox"/> MySQL uses a standard form of the well-known ANSI-SQL standards.</p> <p><input type="checkbox"/> MySQL is a platform independent application which works on many operating systems like Windows, UNIX, LINUX etc. and has compatibility with many languages including JAVA , C++, PHP, PERL, etc.</p> <p><input type="checkbox"/> MySQL is an easy to install RDBMS and is capable of handling large data sets.</p>	$\frac{1}{2} + \frac{1}{2} = 1$
	6	<p>a) C1 no null value allowed</p> <p>b) No duplicate values in c1</p>	1
	Q7.	Any 3 Questions out of 5	
	1.	<p>a)Arithmetic Logic Unit (ALU): is responsible for actual processing of data. It retrieves the data from the storage unit and performs the arithmetic calculations and/or comparisons on them and the processed data is then sent back to the storage. 1 mark</p> <p>b)Primary Memory : Data stored in Primary Memory is directly accessible by the CPU. The inputs received in the above steps are stored in the computer memory, called random access memory (RAM). This storage is relatively fast and expensive as compared to the secondary storage. Primary memory is directly connected to the CPU. It is also called main memory, primary memory, or working memory of the machine. 1 mark</p>	1+1=2
	2.	<p>Save explanation 1 mark</p> <p>Save As Explanation 1 mark</p>	1+1=2
	3.	<p>How Drop command is different from Delete command? Explain</p> <p>Drop Explanation 1 Mark</p> <p>Delete Explanation 1 Mark</p>	1+1=2
	4.	<p>CHAR- Explanation 1 Mark</p> <p>VARCHAR -Explantion1 mark</p>	1+1=2
	5.	<p>(a) Select * from emp where deptno is NULL;</p> <p>(b) Select ename from emp where ename like "A%";</p>	1+1=2
	Q8.	Any 2 Questions out of 3	
	1	<p>a) Speed :</p> <p>b) Versatility:</p> <p>c) Accuracy:</p> <p>d) Diligence:</p> <p>e) Memory:</p> <p>f) Storage:</p> <p>g) Intelligence:</p>	<p>Any 3 points with explanation 1 mark each</p> <p>1+1+1=3</p>

	2	a) =sum(c2: d2) with the use of fill handle drag it down 1 b) =max(c2: c5) = min(c2:c5)	1+1/2+1/2 =2
	3	a) Slide Master allows making changes in appearance of the slides, applying changes to all slides in the presentation. b) Slide transition is the pattern that applies when a slide goes from one to next.	1+1=2
	Q9..	Any 3 Questions out of 4	
	1	Explanation bus topology 1 mark design 1 mark Explanation star topology 1 mark design 1 mark	2+2=4
	2.	<p>Transmission Medium</p> <p>A transmission medium refers to the channel of transmission through which data can be transmitted from one node to another in the form of signal. A signal encodes the data in a form suitable for transmission on the medium. A medium is characterized by its bandwidth defining the information carrying capacity of the medium.</p> <p>Common methods of Internet access by users include dial-up with a computer modem via telephone circuits, broadband over coaxial cable, fiber optics or copper wires, Wi-Fi, satellite, and cellular telephone technology (e.g. 3G, 4G).</p> <p>Repeater</p> <ul style="list-style-type: none"> • Repeater <p>With increase in distance, a signal may become weak and distorted. A repeater is used to restore the input signal to its original form, so that it can travel a larger distance.</p> <p>1 mark</p> <ul style="list-style-type: none"> • Gateway <p>A gateway connects networks based on different protocol technologies to communicate with each other. Data coming from one network operating on one protocol is converted according to the protocol of the outgoing network, and then forwarded. Thus a gateway may be thought of as a router equipped with software for protocol conversion.</p> <p>1 mark</p>	2+1+1=4
	3.	Write a Query to create the following Database and the table. a) Create Database: HYE2022; Use HYE2022	1+1=2

		Create Table Student(Rollno int(4) primary key, Name char(20) not null, total_marks int(4),Age int(3), Address varchar(20)); b) Alter Table student add column email varchar(25); c) Using insert command with proper syntax	1+1=2																									
	4.	<p>Write a query(s) based on the following table:</p> <p>Table : DATAMASTER</p> <table><tr><th>Item_No</th><th>Item_Name</th><th>Price</th><th>Qty</th><th>Origin</th></tr><tr><td>V2345</td><td>Mouse</td><td>7</td><td>120</td><td>USA</td></tr><tr><td>G5678</td><td>Key Board</td><td>14</td><td>230</td><td>UK</td></tr><tr><td>V4321</td><td>Hard Disc</td><td>23</td><td>450</td><td>INDIA</td></tr><tr><td>B6579</td><td>Monitor</td><td>120</td><td>210</td><td>USA</td></tr></table> <p>a) Write a Query to display all item names whose price is not between 7 and 12</p> <p>Select Item_name from datamaster where price not between 7 and 12;</p> <p>b) Write a Query to display all the details of items whose Origin is UK and INDIA.</p> <p>Select * from datamaster where origin in ("UK","INDIA"); / SELECT * FROM DATAMASTER WHERE ORIGIN="UK" OR ORIGIN="INDIA";</p> <p>c) Write the query to display all the item name and the origin whose item number starts with the character "V".</p> <p>SELECT Item_name from datamaster where Item_no like "V%";</p> <p>d) Write query to delete all the records whose price is less than 10</p> <p>Delete from datamaster where price <10;</p>	Item_No	Item_Name	Price	Qty	Origin	V2345	Mouse	7	120	USA	G5678	Key Board	14	230	UK	V4321	Hard Disc	23	450	INDIA	B6579	Monitor	120	210	USA	1+1+1+1=4
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