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**INDIAN SCHOOL MUSCAT
COMMON PRE-BOARD EXAMINATION-2022
INFORMATION TECHNOLOGY(CODE-802)**

CLASS:XII

Max.Marks: 60

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
1	Q.1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
1	i	(a) ctrl + b (b) ctrl + x	$\frac{1}{2} + \frac{1}{2} = 1$
1	ii.	(d) Schizoid personality disorder	1
1	iii.	(d) All of the above	1
1	iv.	Text, numbers, Dates and formula. Nowadays, it is also possible to enter pictures, audio, video and shapes in a spreadsheet.	1
1	v.	(b) wage employed person	1
1	vi.	(b) self-doubt	1
	Q.2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
1	i	(c) Drop	1
1	ii.	(c) Requirements Definition Phase	1
1	iii.	(d) equals()	1
1	iv.	(b) GROUP BY	1
1	v.	A compiler is a program that translates a high level language program (eg. java) to Machine language.	1
1	vi.	Make a password complex, like mix case, use numbers and special characters. This decreases ability of automated attacks by trying different character combinations.	1
1	vii.	<ul style="list-style-type: none"> The customer does not have enough time to visit a store and purchase goods. 	1

		<ul style="list-style-type: none"> The store where you will get what you need may be very far off. (Any two) 	
	Q.3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
1	i.	For storing information regarding products such as price, quantity, quality, manufacturing date, seller. For storing information regarding customers such as name, contact number, address and their orders.	$\frac{1}{2} + \frac{1}{2} = 1$
1	ii.	true	1
1	iii.	A database management system is a collection of programs that enables users to create, maintain and use a database.	1
1	iv.	(d) ibibo.com	1
1	v.	Entity Integrity Constraint specifies that primary key of a relation cannot have null value.	1
1	vi.	True	1
1	vii.	Data type : int, double Variable names: Sum, Calc	$\frac{1}{2} + \frac{1}{2} = 1$
	Q.4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
1	i.	<ul style="list-style-type: none"> Applications that require financial online transactions (eg. The online reservation system, online shopping, and bill payments) Applications that provide information and allow interaction via filling forms, posting query, viewing information, sending mail or chatting (eg. e-governance and online tutorial and tests). 	$\frac{1}{2} + \frac{1}{2} = 1$
1	ii.	(b) Default	1
1	iii.	Online shoppers generally make payments using their debit card or credit card.	1
1	iv.	intValue()	1
1	v.	A method is a group of statements written to perform a specific task.	1
1	vi.	(c) select name, marks from student where name = "Abijith" ;	$\frac{1}{2} + \frac{1}{2} = 1$
	Q.5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
1	i.	double marks[] = {99.5, 77.5, 88, 67, 72};	1
1	ii.	Select * from Exhibition where category = "Abstract" ;	1
1	iii.	Price Decimal(8,2)	1

1	iv.	Variable names can begin with either an alphabetic character, an underscore(_), or a dollar sign (\$).They can consist of only alphabets, digits, and underscore. Variable names must be one word. Spaces are not allowed in variable names. Underscores are allowed	1/2+ 1/2 = 1								
1	v.	b =10 means value 10 is assigned to variable b and b == 10 means checking whether the value stored in b is equal to 10.	1								
1	vi.	An error situation that is unexpected in the program execution and causes it to terminate unexpectedly is called an exception.	1								
1	Q.6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)									
1	i	Object is an instance of a class. An object in OOPS is nothing but a self-contained component which consists of methods and properties to make a particular type of data useful.	1								
1	ii.	<table border="1"><thead><tr><th>while loop</th><th>do...while loop</th></tr></thead><tbody><tr><td>Entry controlled loop – it tests for a condition prior to running a block of code</td><td>Exit control loop - it tests for a condition after running a block of code</td></tr><tr><td>while loop runs zero or more times. Body of loop may never be executed</td><td>do-while loop runs once or more times but at least once.</td></tr><tr><td>The variables in the test condition must be initialized prior to entering the loop structure.</td><td>It is not necessary to initialize the variables in the test condition prior to entering the loop structure.</td></tr></tbody></table>	while loop	do...while loop	Entry controlled loop – it tests for a condition prior to running a block of code	Exit control loop - it tests for a condition after running a block of code	while loop runs zero or more times. Body of loop may never be executed	do-while loop runs once or more times but at least once.	The variables in the test condition must be initialized prior to entering the loop structure.	It is not necessary to initialize the variables in the test condition prior to entering the loop structure.	1/2+ 1/2 = 1
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1	iii.	(b) He can download the e-ticket from the website	1								
1	iv.	Use Filmfest ;	1								
1	v.	Select name,salary from Employee order by salary desc ;	1								
1	vi.	A class parameterized constructor is a method with the same name as the name of the class with parameters and no return type.	1								
		<u>SECTION B : SUBJECTIVE TYPE QUESTIONS</u> Answer any 3 out of the given 5 questions on Employability Skills (3 x 2 = 6 marks) Answer each question in 20 – 30 words.									
1	Q.7	Extraversion: Extroverts are individuals, who love interacting with people around and are, generally, talkative. A person, who can easily make friends	2								

		and make any gathering lively, is confident and an extrovert.																			
1	Q.8	Presentation software is being widely used to make digital presentations. It has many advantages,They are interesting as they have features like images, videos, animation and music. Open Office Impress , MS Powerpoint (Any two)	1+1=2																		
1	Q.9	Decisiveness is the ability to make profitable and quick decisions. Decisiveness becomes the most important attribute while setting up a business venture. It is about identifying an opportunity and acting on it. An opportunity is a chance to do something, generally, the right time or moment to do something.	2																		
1	Q.10	Environmental factors can be many. But the most common ones include the following. • Lack of adequate resources or raw material • Non-availability of skilled labour • Lack of requisite machinery and other infrastructure • Unavailability of monetary resources on time	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$																		
1	Q.11	When a family or an individual runs a business successfully and passes it on to the next generation, then such an entrepreneur is, generally, termed as family business entrepreneur. The person, who is handed over the business or the functioning of an enterprise, is not the first generation entrepreneur.	2																		
1		Answer any 3 out of the given 5 questions (3x 2 = 6 marks)																			
1	Q.12	20, because since there are no break statements in case 10,case,20 and case 30 the program control will go to case 40.	1+1 =2																		
1	Q.13	(a) Insert into Purchase values (101, “colour cartridge”, 100, “Ruwi”); (b) select * from farewell where grno = “D1034”;	1+1=2																		
1	Q.14	Update SPORTS set Medal= “Silver” where SID = 433;	2																		
1	Q.15	Schema- Materials (<u>Matid</u> , mname, mqty, mprice, pcode) <table><thead><tr><th>Name</th><th>Type</th><th>Remarks</th></tr></thead><tbody><tr><td>Matid</td><td>INT(10)</td><td>Material Id(Primary Key)</td></tr><tr><td>mname</td><td>VARCHAR(30)</td><td>Name of the material</td></tr><tr><td>mqty</td><td>INT(10)</td><td>Quantity of the material</td></tr><tr><td>mprice</td><td>DECIMAL(8,2)</td><td>Price of the material</td></tr><tr><td>pcode</td><td>INT(10)</td><td>Product code of the material</td></tr></tbody></table> (Any other relevant attributes)	Name	Type	Remarks	Matid	INT(10)	Material Id(Primary Key)	mname	VARCHAR(30)	Name of the material	mqty	INT(10)	Quantity of the material	mprice	DECIMAL(8,2)	Price of the material	pcode	INT(10)	Product code of the material	1+1=2
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1	Q.16	In a program, when part of a program is executed based on the value of an expression, that type of structure is called selection structure. if...else is a selection structures provided in JAVA Eg: int a=10 ;	1+1=2																		

		<pre> if (a<10) System.out.println(" A is less than 10") ; else System.out.println(" A is greaterthan 10") ; </pre>	
		Answer any 2 out of the given 3 questions (2 x 3 = 6 marks)	
1	Q.17	<p>(a) syntax error</p> <p>(b) in do.. while loop 'while' should be in small letter, another error is it should be y += 5 ;</p> <p>(c) int y = 1;</p> <pre> do { System.out.println(y + " "); y += 5 ; } while(y<=20) ; </pre>	1+1+1=3
1	Q.18	<p>a) Degree is the total number of columns in a table. Cardinality is the total number of rows in a table.</p> <p>b) AVG()</p>	1+1+1=3
1	Q.19	<p>(i) Personal details such as address, age, PAN card, occupation, contact numbers.</p> <p>(ii) Accounts and loans related information.</p> <p>(iii) Information regarding daily transactions.</p>	1+1+1=3
		Answer any 3 out of the given 5 questions (3 x 4 = 12 marks)	
1	Q.20	<p>(a) event.length().</p> <p>(b) event.charAt(15).</p> <p>(c) event.replace('e','*')</p> <p>(d) event.contains("mony")</p>	1+1+1+1=4
1	Q.21	<p>OOPs in Java organizes a program around the various objects and well-defined interfaces. The OOPs Concepts in Java are abstraction, encapsulation, inheritance, and polymorphism.</p> <p>Example:</p> <pre> class Book data Members: Title Author Publisher Genre Price method members: display() </pre>	2+2=4

		getPrice()	
1	Q.22	<pre>public static void main(String[] args) { int i = 7; do { System.out.println(i+ " "); i += 7 ; }while(i<=50) ; do..while is an exit controlled loop.</pre>	3+1=4
1	Q.23	<p>(a) SELECT NAME FROM STAFF WHERE SALARY BETWEEN 20000 AND 50000 ;</p> <p>(b) SELECT DISTINCT DEPT FROM STAFF ;</p> <p>(c) SELECT NAME,DEPT FROM STAFF WHERE NAME LIKE “_____”;</p> <p>(d) SELECT MIN(SALARY) FROM STAFF ;</p>	1+1+1+1=4
1	Q.24	<p>Following are the four factors to be kept in mind</p> <ol style="list-style-type: none"> 1. It shall have easy to use interface : simple design for the end user to interact easily. 2. Website must be secured and must be free from malware. 3. It shall not leak customer details and must provide different payment methods such as Credit card/ debit card/ COD etc. 4. Must provide good offers/ deals to the user. 	1+1+1+1=4