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**INDIAN SCHOOL MUSCAT
FINAL EXAMINATION 2022
INFORMATION TECHNOLOGY(CODE-802)**

CLASS:XII

Max.Marks: 60

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
A	Q.1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
A	i	(a) Narcissistic personality disorder	1
A	ii.	OpenOffice Impress, FibreOffice Impress, MSPowerPoint,Google Slide. (Any two relevant Presentation software's.)	$\frac{1}{2} + \frac{1}{2} = 1$
A	iii.	Persistence is the ability to continue to do something, even when it is difficult. It is one of the attitudes and competencies to become a successful entrepreneur.	1
A	iv.	(b) Self-confidence	1
A	v.	(a) Ctrl+ b (b) Ctrl + c	$\frac{1}{2} + \frac{1}{2} = 1$
A	vi.	<ul style="list-style-type: none"> It is an economic activity done to create, develop and maintain a profit-oriented organisation. It begins with identifying an opportunity as a potential to sell and make profit in the market. It deals with optimisation in utilization of resources. It is the ability of an enterprise and an entrepreneur to take risks. (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
	Q.2	Answer any 4 out of the given 6 questions (1 x 4 = 4 marks)	
A	i	NICNET	1
A	ii.	(a) 6-8 Alphanumeric characters with special symbols	1
A	iii.	A compiler is a software which is used to translate high level language into machine language.	1
A	iv.	(a) It is used to uniquely identify a tuple is a table.	1

A	v.	(c) Iteration	1
A	vi.	(c) They are slow as compared to software based applications.	1
	Q.3	Answer any 4 out of the given 5 questions (1 x 4 = 4 marks)	
A	i	false	1
A	ii.	Reduction in Redundancy, Improved Consistency, Improved availability, Improved Security, User Friendly (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
A	iii.	Select, insert, update, delete (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
A	iv.	(b)7,8	1
A	v.	Requirement definition phase	1
	Q.4	Answer any 4 out of the given 5 questions (1 x 4 = 4 marks)	
A	i	Sum20, avg_sal	$\frac{1}{2} + \frac{1}{2} = 1$
A	ii.	(c) Not null	
A	iii.	Different modes of payment - credit card, debit card, Net Banking, Cash on Delivery or e-gift voucher (mention any 2)	$\frac{1}{2} + \frac{1}{2} = 1$
A	iv.	(b) Alter table STUDENT	1
A	v.	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
	Q.5	Answer any 3 out of the given 4 questions (1 x 3 = 3 marks)	
A	i	double [] Salary = { 1000,2000,1500,2000 } ;	1
A	ii.	select distinct salary from employee;	1
A	iii.	main() is a special method that every Java application must have. When you run a program, the statements in the main method are the first to be executed.	1
A	iv.	System.out.print() or System.out.println()	1
	Q.6	Answer any 3 out of the given 4 questions (1 x 3 = 3 marks)	

A	i	Some of your programs when executed may have terminated unexpectedly with runtime errors. Such an error situation that is unexpected in the program execution and causes it to terminate unexpectedly is called an exception.	1
A	ii.	USE Exam ;	1
A	iii.	(a) india.gov.in	1
A	iv.	The focus is on "what" the application must do. Recognizing the limitations that are placed on the project.	1
		<p align="center"><u>SECTION B : SUBJECTIVE TYPE QUESTIONS</u></p> <p align="center">Answer any 3 out of the given 5 questions on Employability Skills (3 x 2 = 6 marks)</p> <p align="center">Answer each question in 20 – 30 words.</p>	
A	Q.7	<p>A spreadsheet is an electronic document, which has rows and columns. It is used to store data in a systematic way and do calculations.</p> <p>Any one (LibreOffice Calc, Microsoft Excel, Google sheets)</p>	$1\frac{1}{2} + \frac{1}{2} = 2$
A	Q.8	Ability to make the optimum use of time, energy and resources to achieve the desired goals like time management, Goal setting, efficiency, Managing quality.	2
A	Q.9	People with such a disorder strongly stick to rules and regulations. They can be characterized by a general pattern of excessive concern with orderliness, perfectionism and attention to details. They feel extremely uncomfortable when unable to achieve perfection.	2
A	Q.10	<p>Protect your spreadsheet using a password.</p> <p>Click on Tools and select Protect Spreadsheet, Type Password, confirm password ,OK</p>	2
A	Q.11	An industrial entrepreneur is, essentially, a manufacturer, who identifies the needs of customers and creates products or services to serve them. Such an entrepreneur is product oriented, who starts through an industrial unit to create a product like electronic industry, textile unit, machine tools, manufacturing unit, etc.	2
		Answer any 5 out of the given 7 questions (5 x 2 = 10 marks)	
A	Q.12	10	$1+1 = 2$

		Fall through statement since there is no break in case 10																
A	Q.13	(a) delete from Student where rollno = 10 ; (b) select * from Accounts where dept like 'B%' ;	1+1=2															
A	Q.14	UPDATE OFFICE SET address = "Ruwi" WHERE address= "Ruwy";	2															
A	Q.15	DISPATCH (Dispatch_id, Details, Dispatch_date) <table> <tr> <th>Name</th> <th>Type</th> <th>Remarks</th> </tr> <tr> <td>Dispatch_id</td> <td>INT(10)</td> <td>Dispatch number(Primary Key)</td> </tr> <tr> <td>Details</td> <td>VARCHAR(30)</td> <td>Location details</td> </tr> <tr> <td>Dispatch_date</td> <td>DATE</td> <td>Date of dispatch</td> </tr> <tr> <td colspan="3">(Any other relevant attributes)</td> </tr> </table>	Name	Type	Remarks	Dispatch_id	INT(10)	Dispatch number(Primary Key)	Details	VARCHAR(30)	Location details	Dispatch_date	DATE	Date of dispatch	(Any other relevant attributes)			1+1=2
Name	Type	Remarks																
Dispatch_id	INT(10)	Dispatch number(Primary Key)																
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(Any other relevant attributes)																		
A	Q.16	A while loop is an entry controlled loop it tests for a condition prior to running a block of code. A while loop runs zero or more times. Body of loop may never be executed A do-while loop is an exit control loop A do-while loop runs once or more times but at least once.	1+1=2															
A	Q.17	A Java compiler instead of translating Java code to machine language code, translates it into Java Bytecode (a highly optimized set of instructions). When the byte code (also called a Java class file)is to be run on a computer, a Java interpreter, called the Java Virtual Machine(JVM) , translates the byte code into machine code and then executes it.	2															
A	Q.18	If a user has not entered a value for an attribute, then default value specified while creating the table is used. For example, if a teacher's salary has not been entered, then by default the database should store 40000 assuming that the minimum salary given to every teacher is 40000.	1+1 =2															
		Answer any 2 out of the given 3 questions (2 x 3 = 6 marks)																
A	Q.19	(a) Logical error (b) for loop body is never executed. (c) int x ; for(x=1; x<=5 ; x= x+1) System.out.println(x + " ");	1+1+1=3															
A	Q.20	Sometimes it is required to apply certain mathematical functions on group of values in a database. Such functions are called Aggregate Functions . Sum(),count(),avg(),min(),max() (Any two aggregate functions)	1+1+1=3															
A	Q.21	for(int i=5 ; i<=50 ; i = i+5) { System.out.println(i) ; }	3															

		Answer any 4 out of the given 5 questions (4 x 4 = 16 marks)	
A	Q.22	(a) makemytrip.com (or any other reservation site) (b) Convenient, time saving (or any other benefit) (c) Make a password complex like mix case, use numbers and special characters. Be cautious not to leave passwords around. (or any other precaution) (d) Requires Less Staffing, No Spatial Restrictions (or any other benefit)	1+1+1+1=4
A	Q.23	<pre>for(int i=2 ; i<=24 ; i = i+2) { System.out.println(i) ; }</pre> <p>for loop is an entry controlled loop.</p>	3+1=4
A	Q.24	(a) message.toUpperCase() (b) message.length() (c) message.replace("FIFA", "FOOTBALL") (d) message.contains("come")	1+1+1+1=4
A	Q.25	(a) SELECT RCODE,PLACE FROM RESORT WHERE TYPE= "5 Star" ; (b) UPDATE RESORT SET TYPE= "4 Star" WHERE RCODE= "R104" ; (c) SELECT TYPE,MAX(RENT) FROM RESORT GROUP BY TYPE; (d) SELECT * FROM RESORT WHERE PALCE LIKE "%A" ;	1+1+1+1=4
A	Q.26	<pre>i = 50 ; while(i > 0) { System.out.println(i) ; i = i -1; }</pre> <p>while loop is an entry controlled loop.</p>	3+1=4

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FINAL EXAMINATION 2022
INFORMATION TECHNOLOGY(CODE-802)

SET	B
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CLASS:XII

Max.Marks: 60

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
B	Q.1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
B	i	(b) Antisocial	1
B	ii.	(a) Ctrl+ b (b) Ctrl + c	$\frac{1}{2} + \frac{1}{2} = 1$
B	iii.	<ul style="list-style-type: none"> It is an economic activity done to create, develop and maintain a profit-oriented organisation. It begins with identifying an opportunity as a potential to sell and make profit in the market. It deals with optimisation in utilization of resources. It is the ability of an enterprise and an entrepreneur to take risks. (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
B	iv.	Persistence is the ability to continue to do something, even when it is difficult. It is one of the attitudes and competencies to become a successful entrepreneur.	1
B	v.	OpenOffice Impress, FibreOffice Impress, MSPowerPoint, Google Slide. (Any two relevant Presentation software's.)	$\frac{1}{2} + \frac{1}{2} = 1$
B	vi.	(b) Self-confidence	1
	Q.2	Answer any 4 out of the given 6 questions (1 x 4 = 4 marks)	
B	i	A compiler is a software which is used to translate high level language into machine language.	1
B	ii.	(c) Iteration	1
B	iii.	NICNET	1
B	iv.	(c) They are slow as compared to software based applications.	1

B	v.	(a) 6-8 Alphanumeric characters with special symbols	1
B	vi.	(a) It is used to uniquely identify a tuple is a table.	1
	Q.3	Answer any 4 out of the given 5 questions (1 x 4 = 4 marks)	
B	i	Select, insert, update, delete. (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
B	ii.	(b) 7,8	1
B	iii.	false	1
B	iv.	Requirement definition phase	1
B	v.	Reduction in Redundancy, Improved Consistency, Improved availability, Improved Security, User Friendly (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
	Q.4	Answer any 4 out of the given 5 questions (1 x 4 = 4 marks)	
B	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
B	ii.	(b) Alter table STUDENT	1
B	iii.	(c) Not null	1
B	iv.	Different modes of payment - credit card, debit card, Net Banking, Cash on Delivery or e-gift voucher (mention any 2)	$\frac{1}{2} + \frac{1}{2} = 1$
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	Q.5	Answer any 3 out of the given 4 questions (1 x 3 = 3 marks)	
B	i	main() is a special method that every Java application must have. When you run a program, the statements in the main method are the first to be executed.	1
B	ii.	System.out.print() or System.out.println()	1
B	iii.	double [] Salary = { 1000,2000,1500,2000 } ;	1
B	iv.	select distinct salary from employee;	1
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B	i	The focus is on "what" the application must do. Recognizing the limitations that are placed on the project.	1
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B	Q.7	Such an entrepreneur starts a business, nurtures it and makes it reach a point of self-sustenance. Once the project reaches that point, the entrepreneur sells the business and starts a new one, and then, follows the same cycle.	2
B	Q.8	People with such a disorder strongly stick to rules and regulations. They can be characterized by a general pattern of excessive concern with orderliness, perfectionism and attention to details. They feel extremely uncomfortable when unable to achieve perfection.	2
B	Q.9	Protect your spreadsheet using a password. Click on Tools and select Protect Spreadsheet, Type Password, confirm password ,OK	2
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B	Q.26	for(int i = 1; i<=30 ; i = i + 2) { System.out.println(i) ; } for loop is an entry controlled loop.	3+1=4