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**INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
INFORMATION TECHNOLOGY- 802**

CLASS: XII

Max.Marks: 60

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
		SECTION – A (OBJECTIVE TYPE) Answer any 23 questions from question no's: 1 to 28	
A	1	i) Update	1
A	2	ii) Desc	1
A	3	Domain	1
A	4	iii)Read()	1
A	5	ii) %	1
A	6	i) Show databases	1
A	7	i) ORDER BY	1
A	8	ii) Delete	1
A	9	Data	1
A	10	Data Redundancy	1
A	11	i) DBA	1
A	12	A row in a relation is known as a tuple.	1
A	13	iv) Degree	1
A	14	ii)ASC	1
A	15	iii) Database	1
A	16	i) Drop	1

A	17	iv) Data is present in the other table	1
A	18	i) india.gov.in	1
A	19	E-Governance	1
A	20	An application that can be accessed via a web browser, over a network connection is called a web-based application.	1
A	21	goidirectory.nic.in	1
A	22	Applications that require financial online transactions. Applications that provide information and allow interaction via filling forms, posting query, viewing information, sending mail or chatting.	1
A	23	Front End- NetBeans, Back End- MySQL (Any one front end and Back end application can be considered) ½ Mark Each	1
A	24	iii) To start an online coding course for 3 months	1
A	25	ii) 1stname	1
A	26	A compiler is a program that translates a high level language program (eg. java) to Machine language.	1
A	27	Desktop applications, Web based applications, mobile applications, and games among others. (Any two applications- ½ Mark Each)	1
A	28	To display the output , we use the most common pre-built Java output method System.out.println() or System.out.print().	1
		SECTION – B (SUB JECTIVE TYPE) Answer any 8 questions from question no's: 29 to 38	
A	29	Create table command is used to create a table in a database with a name and number of columns with names and its data types. Insert command is used to insert values(data's) to an already existing table. CREATE TABLE ACCTS(Id integer, Dept Varchar(25)) ; INSERT INTO ACCTS VALUES(102, "Shipping") ; 1 Mark Each	2
A	30	do...while is an Exit controlled loop Corrected code: int k ; k = 20 ; <u>do</u> { k = k- 3; System.out.println(k); }while k >= 3; 4 Errors(½ Mark each)	2

A	31	Reduction in Redundancy, Improved Consistency, Improved Availability, Improved Security, User Friendly (Explanation of any 4)- ½ Marks each	2
A	32	= operator is used as an assignment operator in java. A = 10 ; in java means value 10 is assigned to variable A. == is used to compare the LHS and RHS values stored in variable. A == B means checking whether A and B have equal values. 1 Mark each	2
A	33	Comments are used in code by programmers to <i>document</i> their programs – to provide explanatory notes to other people who read the code. (//) - This is used for single line comments. Writing the comment between the symbols /* and */ - This is used for multiple line comments. 1 Mark each	2
A	34	It specifies that the value of every attribute in each tuple must be from the domain of that attribute. For example, the Employee_ID must be a 4-digit number. Hence a value such as “12321” or “A234” violates the domain constraint as the former is not 4-digit long and the latter contains an alphabet.	2
A	35	Table Name: Salary Empid- integer(Primary key) Name - varchar of size 35 Dept – varchar of size 35 Sal- decimal (10,2) Yearsofexp – integer Minimum 4 columns with relevancy with Personal table. 4 Errors(½ Mark each)	2
A	36	Any 2 advantages 1 Mark each	2
A	37	A table is called a relation. The total number of rows in a relation is non as its cardinality. 1 Mark each	2
A	38	Portal can be broadly classified into two categories : • to provide information • to provide online services The first e-Governance site was NICNET in 1987 1 Mark each	2
		SECTION – B (SUB JECTIVE TYPE) Answer any 3 questions from question no's: 39 to 42	
A	39	1+3+5+7+9+=25 while is an entry controlled loop.	3
A	40	The process of development of web based applications is broadly categorized in four phases. 1) Requirements Definition Phase 2) Design Phase 3) Implementation Phase 4) Testing Phase (Explanation of any three) 1 Mark each	3

A	41	Create New Account, An individual registration page opens, Read the instructions and fill the registration form. After filling the form, click the <Submit> button. Once your account has been created, now you can perform transactions from your account. Once you have created your account you can login to the site using your username and password. Add the mobile in the online cart , then go for the payment option select which mode of payment are you going to do(Debit card,Credit card,COD etc),Enter card details, get otp ,type otp and click ok.	3
A	42	High Cost, Security and Recovery Overheads. SELECT CName, Salary From Company Where CName LIKE "A%"; Explanation of two limitations-2 Marks + 1 Mark for correct query.	3
		SECTION – B (SUB JECTIVE TYPE) Answer any 3 questions from question no's: 43 to 46	
A	43	i) SELECT A_NAME,TITLE FROM Painting WHERE TYPE= "MODERN" ; ii) SELECT * FROM Painting ORDER BY TITLE DESC ; iii) SELECT TYPE,MAX(PRICE) FROM Painting GROUP BY TYPE ; iv) SELECT COUNT(*) FROM Painting WHERE PRICE < 30000 ;	4
A	44	public static void main(String[] args) { int i; for(i = 50; i >=10 ; i = i -2) { System.out.println(+i) ; } }	4
A	45	public static void main(String[] args) { int num1= 55, num2=60, num3=88; if((num1>num2) && (num1>num3)) System.out.println(num1+"is the greatest") ; else if((num2>num1) && (num2>num3)) System.out.println(num2+"is the greatest") ; else System.out.println(num3+"is the greatest") ; }	4
A	46	public static void main(String[] args) { int i; i = 49; do { System.out.println(+i) ; i = i - 7 ; } while(i >= 1) ; }	4