

INTERNATIONAL INDIAN SCHOOL DAMMAM

TERM I - EXAMINATION , JULY -2017

SUBJECT :INFORMATICS PRACTICES

TIME : 3 HRS

CLASS: XI

MAX MARKS : 70

SET A

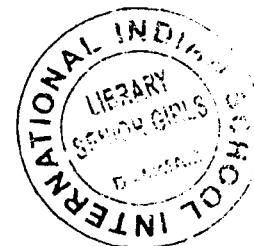
General Instructions:

1. This question paper consists of 5 questions.
 2. All the questions are compulsory.
 3. Marks are indicted against each question.
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1. (a) Name the Primary memory which is volatile . (1)
(b) What is communication Bus ? Name two of its types ? . (1)
(c) Explain any two types of language processors. (2)
(d) Which input device is used for reading answer sheet by means of light ? (1)
(e) What is Disk De-fragmentation ? (1)
(f) Define the term Application software. (1)
(g) What are digital Certificates ? What do they do ? (2)
(h) What is cyber crime ? Give an example. (1)
2. (a) What are arithmetic operators ? Give example. (2)
(b) The _____ tab is used to view the Java source code . (1)
(c) What are the four main components of the Netbeans IDE ? (1)
(d) Write the difference between
(i) Text Field and Text Area components.
(ii) setText () and getText (). (2)
(e) Give the output of the following code: (1)

"Information".concat("Technology")

(f) Explain the use of toString () method with an example. (1)
(g) Which window contains the Swing controls components ? (1)
(h) Define IDE. (1)



- (i) Is Java case sensitive ? What is meant by case sensitive ? (2)
- (j) Write a code in Java to make jTextField1 uneditable at run time . (1)
- (k) Explain how the text is displayed when line wrap property is selected. (2)

3. (a) What is Null ? What happens when you perform arithmetic calculations on NULL values? (1)

(b) Ms.Anjana wants to display RollNo, Name and Marks from STUDENT table .who have Secured marks in the range 70 to 80. Help her to write a suitable MySQL command. (1)

(c) Distinguish between DROP TABLE and DELETE commands of MySQL. (2)

(d) Help Ms.Akshaya to run the following query by removing errors. (1)

```
SELECT * FROM table Employee WHERE HA = NULL ;
```

(e) What is the purpose of BETWEEN Clause ? (2)

(f) The **CoachName** column of a table “ **CLUB** “ is given below.

CoachName
ANU
SAGAR
GAURAV
ANKUR
PRIYA

Based on the above information , Find the output of the following queries.

1. SELECT CoachName FROM CLUB WHERE CoachName LIKE “ _ A % ” .
2. SELECT CoachName FROM CLUB WHERE CoachName NOT LIKE “ % R ” . (2)

(g) What is the purpose of Column Alias ? Give example. (2)

(h) What is a Primary Key ? What is its purpose in a table ? (2)

(i) Explain DML and DDL with two examples each. (2)

(j) Which Keyword is used in ORDER BY clause to display data in descending order? Give example. (1)

4. (a) Write a Java coding that takes the cost of pencil from jTextField1 and number of pencils

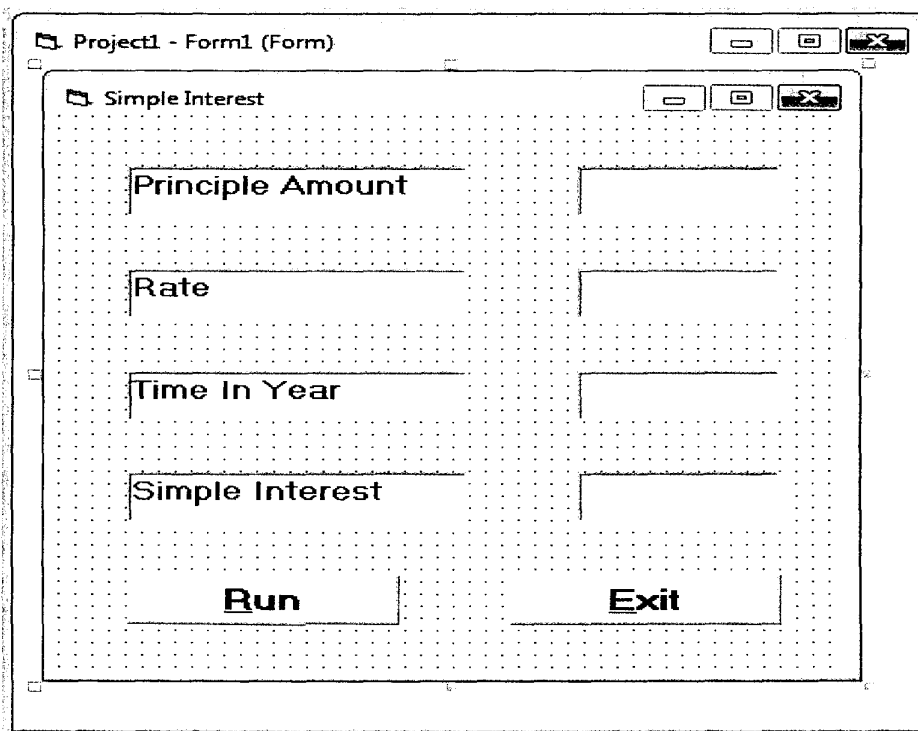
from jTextField2. Calculate total amount and display it in jTextField3.

[Hint – total amount = cost * number of pencils] (2)

(b) What are keyword ? Give two examples. (2)

- (c) Write a suitable java statement to declare the variable for the following
- (1) to store a variable City and initialize it with value as “Delhi”. (1)
- (d) What will be the content of JTextArea1 after execution of the following statement? (1)
- `JTextArea1.setText(“Class XI \t Term I \n Examination “)`
- (e) What are the different data types in Java ? (1)
- (f) Write the difference between `parseInt ()` and `parseDouble ()` (1)
- (g) Which of the following is a valid variable name . (2)
- (i) 66lastname (ii) Integer (iii) Num_19 (iv) char

(h) Answer the questions below for the following GUI application:



- (1) Write a code for the ‘Run’ Command button and display the simple interest in the textfield ‘SITF4’. (4)
[HINT : $SI = (P * R * T) / 100$]
- (2) Write a code to stop the execution on the click of ‘Exit’ command button. (1)
5. (a) How can you delete the rows with marks below 35 in the ‘Marklist’ table using SQL command ? (1)
- (b) Write SQL command to display rows where state is ‘DELHI’ or ‘MUMBAI’ in an Employee table. (1)
- (c) What is DBMS? Write any two example. (2)

- (d) Differentiate between OR and AND logical operators in MySQL ? (1)
- (e) Write SQL command to insert the following values into the table "Purchase"
302 , 'Cake', 90 , 1800.00 (1)
- (f) What does the Modulus arithmetic operator do ? (1)

(g) Consider the following table named "Company" as given below:

empno	ename	job	mgr	sal	comm	Deptno
8369	SMITH	CLERK	8902	800.00	NULL	20
8499	ANYA	ANALYST	8698	1600.00	300.00	30
8521	SETH	SALESMAN	8566	1250.00	500.00	40
8889	SCOTT	PRESIDENT	NULL	5000.00	NULL	10
8779	ANOOP	ANALYST	8698	1400.00	NULL	30
8698	BINA	MANAGER	8839	2800.00	NULL	50

- (i) Suggest a suitable Primary key for the above table and give reason? (1)
- (ii) Write SQL statements to do the following:
- (1) Display ename and empno of all employees from table company. (1)
 - (2) Display ename , sal and sal added with comm from table company. (1)
 - (3) Display all unique department numbers in table company. (1)
 - (4) Display the details of all employees whose annual salary is between 25000 and 40000. (1)
- (iii) Give the output for the following SQL coding .
- (1) SELECT * FROM Company WHERE comm > 400; (1)
 - (2) SELECT job , mgr FROM Company WHERE ename LIKE '____'; (1)
