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Code Number. 065/2



INDIAN SCHOOL MUSCAT  
SECOND TERM EXAMINATION  
SUBJECT : INFORMATICS PRACTICES

(Answer Key)

CLASS: XI

Sub.Code: 065

Time Allotted: 3 Hrs.

10.12.2017

Max.Marks: 70

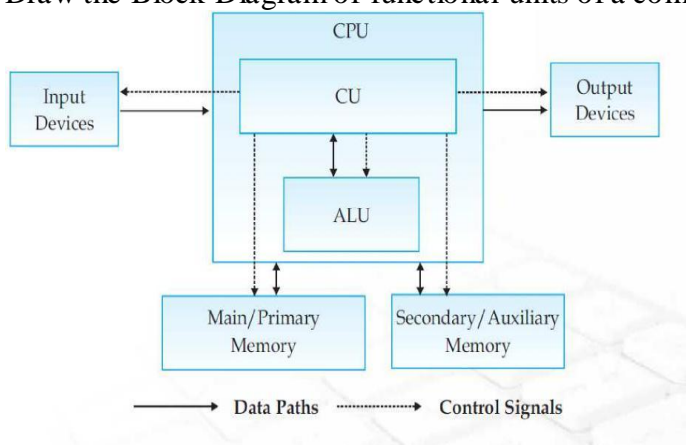
**Instructions:**

1. All the questions are compulsory
2. Read the Question carefully and write the Answer

**Section - A**

Q1. Draw the Block Diagram of functional units of a computer,

2



Q2. Write the full form of the following

1

- (a) ALU -Arithmetic and Logical Unit
- (b) OCR- Optical Character Reader

Q3. nibble.- group of 4 Bits

1

Q4. **Biometric Sensors-** It is used to recognize individuals based on physical or behavioral traits. Biometric sensor is used to mark attendance of employees/students in organizations /institutions. It is also popular as a security device to provide restricted entry for secured areas.

1

**Section - B**

Q1. TextField prints/display the result in single line format, TextArea prints the result either single line or multiline format.  
setText(), append()

2

Q2. Accepting value - ½ Mark  
Using if with proper condition - 1 mark  
Displaying result- ½ Mark

2

- Q3. Converting the code with the proper syntax of switch -2 mark 2
- Q4. If there is no break statement in between two case statement in switch is called ‘Fall through’. 1
- Q5. Define Loop. Write the complete syntax of for loop. 2  
Repeating the statement again and again is called loop. 1 Mark  
for(initialvalue;condition;updatation) 1 Mark  
{statement(s); }
- Q6. How jButton is different from JCheckBox? Explain with an example. 2  
JButton- Explanation with an example 1 mark  
JCheckBox- Explanation with an example 1 mark
- Q7. Write a JAVA program to print all the even numbers from 51 to 100 on the System output Window. 2  
Declaring variable - ½ Mark  
Using for loop and printing values- 1½ Marks
- Q8. Write any one method of JList and JComboBox. 2  
getSelectedIndex() -Common method of both the objects.  
getSelectedItem() , getSelectedItem()
- Q9. It is used to select the radio button mutually in a group. 1 Mark 2  
Example – 1 mark
- Q10 corresponding month name based on the accepted month number.(use switch... case) 2  
Accepting value -½ Mark  
Using switch statement with proper syntax - 1½ Marks
- Q11  
.  
(i)  
Declaring variables and accepting values - ½ Mark  
Calculation – 2 marks 3  
Displaying the result on the appropriate object - ½ Mark
- (ii) 2  
Proper code for Clearing textFields -1 Mark  
Proper code for Clearing Check box – 1 Mark
- (iii) When Stop button is clicked, the application is closed. 1  
System.exit(0);

### Section - C

- Q1. What is the use of Alter command in MySql? Explain with an example. 2  
It is used to change the structure of the table. 1 mark  
Ex: Alter table emp add email varchar(30); 1 mark

- Q2. Explain any two date functions with an example. 2  
 Explanation of Any two date functions – 1 mark  
 Example : Sysdate() , Now(), Year() etc.,
- Q3. Use EMP124; 2  
 Show tables; 1+1 two marks
- Q4. Consider the table TEACHER given below. Write the commands in SQL for (i) to (viii) and output for (ix) and (x).
- i. To display all information about teachers of PGT category. 10\*1=10  
 Select \* from teacher where category='PGT';
  - ii. To list the names of female teachers of Hindi department.  
 Select name from teacher where department='hindi' and gender ='F';
  - iii. To list names, departments, and hiring dates of all the teachers in ascending order of hiring date.  
 Select name,department,hiredate from teacher order by hiredate asc;
  - iv. To count the number of teachers in English department.  
 Select count( \* ) from teacher where department="English";
  - v. To Display the name of teacher whose name starts with 'S'.  
 Select name from teacher where name like 'S%';
  - vi. To display all the name of teacher whose salary is not yet fixed.  
 Select name from teacher where salary is null;
  - vii. Write a query to display the total salary of Male Teachers.  
 Select sum(salary) from teacher where gender='M';
  - viii. Write a Query to count how many Male and Female Techers are there in the table.  
 Select Gender, count(\*) from teacher group by gender;
- Find the output of the following quires:**
- ix. SELECT DISTINCT(Category) FROM TEACHER;  
 TGT  
 PRT  
 PGT
  - x. SELECT YEAR(HIREDATE) FROM TEACHER;  
 94  
 90  
 80 (Extracting the year part from the field hiredate)

- Q5. (a) DDL -Explanation with full form and an example 1 mark (b) DML- 4\*1=4  
 Explanation with full form and an example – 1 mark  
 Explanation 1 mark (c) COMMIT –  
 (d) ROLLBACK- Explanation 1 mark
- Q6. Order By- Explanation with an example 1 mark 2  
 Group By-Explanation with an example – 1 mark
- Q7. Using Create command with proper syntax -1 +1 =2 Marks 2
- Q8. It is used to avoid duplicate values while displaying query result. 2  
 Example : select distinct(deptno) from emp;
- Q9. Find the output of the following: 4\*1½=2  
 (a) Select Dayofmonth(“12/12/2012”);  
 12  
 (b) Select Round(3456.678,2);  
 3456.68  
 (c) Select SQRT(2,3);  
 8  
 (d) Select concat(left(“ABCD”,2,right(“DECD”,2);  
 ABCD
- Q10 Char Explanation with an example – 1 mark 2  
 . Varchar Explanation with an example- 1 Mark
- Q11 Cardinality- Number of rows in a table ½ Mark 1  
 . Degree- Number of Columns in a table ½ Mark
- Q12 Alter table EMP drop column email; 1  
 .
- Q13 Select ename from emp where deptno IS NULL; 1  
 .
- Q14 Drop -Explanation with an example 1 Mark 2  
 . Delete-Explanation with an example 1Mark

### **Section- D**

- Q1. any two benefits of E-governance. 1+1 =2 Marks 2
- Q2. any two E-learning web site names. 1+1=2 Marks 2
- Q3. Explanation – 1 Mark 1

**\*\*\*\*\*End of the Question Paper\*\*\*\*\***