SAMPLE PAPER - 2014
Class – XII
SUBJECT – INFORMATICS PRACTICES (065)

TIME : 3 hrs   MM : 70

General Instructions:

- **All questions are compulsory**

- **Answer the questions after carefully reading the text.**

- **This question paper is divided into three sections.**

- **Section – A consists 10 marks.**

- **Section – B consists 25 marks.**

- **Section – C consists 35 marks**

SECTION – A (10 Marks)

QA   Answer the following questions:

A.1   Differentiate between dedicated and non-dedicated server   2

A.2   In the www.google.com URL, which of the following part represents the name of the website? 1

A.3   Compare bus and ring topology?   2

A.4   Do you prefer using switch over hub? If yes, why and in which circumstances?   2

A.5   Which of the following are open source LINUX , MS Window Vista , Python , MySQL , PageMaker.

1

A.6   What is ogg vorbis?   1

A.7   What is font? Name the parameters on the behalf of it categories.   1

SECTION B (25 Marks)

QB   Answer the following questions:

B.1   Name any two integer data type which store only integer value.   1

B.2   What is the use of return statement in method.?   1

B.3   What is the basic structure of HTML file?   1

B.4   Difference between implicit and explicit type conversion.   2

B.5   Differentiate between a listbox and combobox.   2

B.6   What is an expression? Differentiate between Compound and Boolean/Relational Expression.

2

B.7   Differentiate between Exit-Controlled Loop and Entry-Controlled Loop.   2

B.8   What will be the value of x and y after execution of the following code: 2

int x , y = 0;

for(x = 1; x <= 5 ; x + +)

y = x + + ;

- -y;

B.9   Name two jump statements.   1

www.cbseguess.com
Other Educational Portals
www.icseguess.com | www.ignouguess.com | www.aipmtguess.com | www.aieeeguess.com | www.niosguess.com |
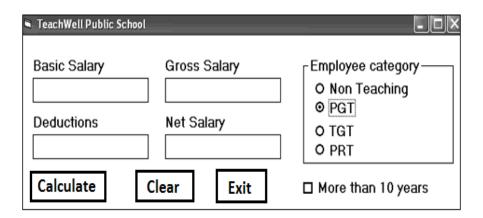www.iitguess.com

B.10   Write a method in JAVA that takes a number as parameter and returns its square.   2

B.11   **Read the following case study and answer the questions that follow.**

TeachWell Public School wants to computerize the employee salary section. The School is having two categories of employees: Teaching and Non Teaching. The Teaching employees are further categorized into PGTs, TGTs and PRTs having different Basic Salary. The School gives addition pay of 3000 for employees who are working for more than 10 years.

TeachWell Public School	_ □ X
Basic Salary	Gross Salary	Employee category
Deductions	Net Salary	○ Non Teaching ◉ PGT ○ TGT ○ PRT
Calculate Clear Exit		☐ More than 10 years

Employee Type	Basic Salary	DA (% of Basic Sal)	HRA (% of Basic Sal)	Deductions (% of Basic sal)
Non Teaching	12500	31	30	12
PGT	14500	30	30	12
TGT	12500	21	30	12
PRT	11500	20	25	12

Object Type	Object Name	Description

Text Field	basicTF	To show basic salary
	dedTF	To show deductions
	grossTF	To show gross salary
	netTF	To show net salary
Radio Button	nonRB	To select Non-Teaching as a selection of Employee Category
	pgtRB	To select PGT as a selection of Employee Category
	tgtRB	To select TGT as a selection of Employee Category
	prtRB	To select PRT as a selection of Employee Category
Check Box	tenyearsCB	Check for the employee who is working for more than 10 years.
Command Button	calculateBTN	To calculate the basic salary, deductions, gross salary and net salary
	clearBTN	To clear text fields, uncheck check box and radio buttons

B.11.1 Write the code to calculate the Basic salary, deductions, gross salary and net salary based on the given specification.   4

Add 3000 to net salary if employee is working for more than 10 years.

Gross salary=Basic salary + DA + HRA

Net salary = Gross salary – deductions

B.11.2 Write the code to clear all TextFields, uncheck checkbox and set non-teaching as the default category.   1

www.cbseguess.com
Other Educational Portals
www.icseguess.com | www.ignouguess.com | www.aipmtguess.com | www.aieeeguess.com | www.niosguess.com | www.iitguess.com

B.11.3 Write the code to exit the application. Also display a message "Thank you" before exiting the application. 1

B.11.4 Write the code to disable Text Fields for gross salary, deductions and net salary. 1

B.12 What will be the contents of jTextField after executing the following statement? 1

jTextField.setText ('B' + 'a')

B.13 What is constructor. Give example. 1

SECTION - C (35 Marks)

QC **Answer the following questions:**

C.1 What is a data type? Name some data types used in MYSQL? 1

C.2 Which command is used to display the list of existing tables? 1

C.3 Wilson is creating a table in which he has created a column named city. In this column he may or may not contain value. He is confused which keyword he should use. Help him. 1

C.4 Difference between single row function and multiple row function. 1

C.5 What is SQL? Write down its different categories. 1

C.6 A table "FAMILY" in a database has 10 columns and no record. What is the degree and cardinality of this table? If five records can be added, then what is its degree and cardinality? 2

C.7 While creating a table 'Item' Rakesh forgot to add a column Item_Price in the table. Give name of command to add this column in the table. 1

C.8 What is Primary Key? How is it different from Candidate Key? Explain with the use of suitable example. 2

C.9 What are constraints? Explain the difference between default and check constraints. 2

C.10 Write the output of the following SQL queries: 2

C.10.1 SELECT ROUND(82.6755, -2), POW(4,3);

C.10.2 SELECT MID('INFORMATICS PRACTICES',4,5);

C.10.3 SELECT DAYOFMONTH('2014-02-02')

www.cbseguess.com
Other Educational Portals
www.icseguess.com | www.ignouguess.com | www.aipmtguess.com | www.aieeeguess.com | www.niosguess.com | www.iitguess.com

C.10.4　　　SELECT TRUNCATE(7.727, -1)

C.11　Removing the errors from query and rewriting it.　　　　　　　　　　　　　1

　　Select * from book where Price=NULL;

C.12　The Itemno and Cost column of a table "ITEM" are given below. Find the output of the following queries:　　　　　　　　　　　　　2

Itemno	Cost
101	5000
102	NULL
103	4000
104	6000
105	NULL

C.12.1 SELECT AVG(Cost) FROM ITEM;

C.12.2 SELECT Cost + 100 FROM ITEM WHERE Itemno >102;

C.13　Categorize the DDL and DML commands:　　　　　　　　　　　　　1

　　CREATE, TRUNCATE, DELETE, GRANT, ROLLBACK, SELECT

C.14　Write an SQL query to create the table books with following structure.　　　2

Field	Type	Constraints
BookID	Varchar (5)	Primary Key
BookName	Varchar (20)	
Author	Varchar (20)	
Price	Decimal (5, 2)	

C.15 Following two tables are shown below are preset in database-

BOOK

EID	EbookName	Author
3	Internal terms	Okhla
4	RDBMS	Steve

5	NetBeans	Gosling

COST

Subj ID	EID	Cost
E40	1	2000
E41	4	1700
E42	3	1800
E43	5	1250

C.15.1 Identify the foreign key column in the table COST. 1

C.15.2 Check every value in EID column of both in table. Do you find any discrepancy. 1

C.16 **Consider the tables given below:**

Table: STOCK

Itcode	Itname	Dcode	Qty	Unitpr	StkDate
444	Drawing copy	101	10	10	2009-Jun-31
445	Sharpener	102	25	2	2010-May-12
465	Office File	101	40	10	2010-Apr-20
457	Pencil	103	80	2	2010-Feb-2
434	Pen	101	50	5	2010-Nov-10
452	Geometry Box	102	30	15	2010-May-21
456	Eraser	103	30	3	2010-Jul-11

Table: DEALERS

Dcode	Dname	Location
101	Vikas Stationers	Lanka Varanasi
102	Bharat Drawing Emporium	Luxa Varanasi
103	Banaras Books Corporation	Bansphatak Varanasi

www.cbseguess.com
Other Educational Portals
www.icseguess.com | www.ignouguess.com | www.aipmtguess.com | www.aieeeguess.com | www.niosguess.com | www.iitguess.com

With reference to these tables, write commands in SQL for (C.16.1) and (C.16.2) and output for (C.16.3) below:

C.16.1 To display amount that has been spent to purchase the office file and sharpener.   1

C.16.2 To display all the items of Vikas Stationers.   1

C.16.3 SELECT Dcode, COUNT(Qty), AVG(Unitpr) FROM STOCK GROUP BY Dcode;   1

C.17   How do we restrict duplicate rows in SQL SELECT query? Give example.   1

C.18   What are joins? Differentiate between equi join and natural join.   2

C.19   What is the difference between where and having clause?   2

QD   **Answer the following questions:**

D.1   What is Back End?   1

D.2   How has e-governance benefited the common man?   2

D.3   Mr. Kartik is working as a Manager in Flash Telecomm. He wants to create the forms with the following functions. Choose appropriate controls from Text Field, Label, Radio Button, Check Box, List Box, Combo Box, Command Button and write in the third column.   2

SNo	Control Used to	Control
1	Enter Name of Customer	
2	Enter Mobile No.	
3	Select Connection Type	
4	Display total Amount of Bill	

PREPARED BY : MR. ANIL KHATRI

HOD AND PGT IN COMPUTER SC. DEPTT.

R.E.D. SR. SEC. SCHOOL, CHHUCHHAKWAS (JHAJJAR)

PH. 09812835914

www.cbseguess.com
Other Educational Portals
www.icseguess.com | www.ignouguess.com | www.aipmtguess.com | www.aieeeguess.com | www.niosguess.com |
www.iitguess.com