COMPUTER SCIENCE 2013 Time: 20 Minutes Max. Marks: 15

1. Choose the correct answer for each from

the given options:

The full form of IDE is:

integrated Design Environment integrated development environment

Internal Design Environment Interconnected Development Environment

The step by step solution of any program is called: (b) a pseudo code a flow chart (c) an algorithm (d) none of these

Which format specifier is used for double data type? (iii)

%d (b) %f (c) %c (d) %If (a)

Each escape sequence must start with: (iv)

All C-Language program must have a function called:

A program that is written in high level language and is

(d)

All three expression of for loop must be separated by:

(d)

(d)

files (b) database (c) record (d) none of these

(a) Repeating function (b) Recursive function

(xiv) Which statement is used to exit the switch statement?

(a) Break (b) If (c) Continue (d) none of these

(xv) Which of the following is an arithmetic operator?

(b) & (c) & & (d) <

COMPUTER SCIENCE2013

OPTION - I (PROGRAMMING USING 'C')

SECTION B (SHORT-ANSWER QUESTIONS)(36)

(iii) What are Escape sequences? Mention all Escape

(iv) What will be the output of the following C-language

Write a C = language program of character 1/0 which

What is an Algorithm? Write different Algorithm

Convert the following mathematical expressions into

Write a program to generate prime number upto 11 (like

Explain different data types used in C - language with

What is a Function? What are the major characteristics

Name the control structure used in C-language & discus

What are format specifies and how do we use them in C

Max. Marks: 15

Database

iterative control structure with syntax & example.

COMPUTER SCIENCE2013

(PROGRAMMING USING VISUAL BASIC)

SECTION "A" MULTIPLE CHOICE QUESTIONS

The collection of related fields is called:

Choose the correct answer for each from

Access Display Object (d) Actual Data Organization

The collection of homogeneous data item is called:

(b)

(d)

In Ms- Access, which objects is used to represent data

When the variable scope is limited to a procedure, it is

RDBMS stands for: (a) Relational Data Managing System

(d) all of these

Labels

(d) None of these

called: (a) Global variable (b) Local variable

(b)

Form (b) Form 1 (c) Form 0 (d) none of these

if (b) if...then (c) if...then...else (d) none ofthese

Which control accepts textual information from the

user? (a) Label (b) Textbook (c) Caption (d) none of this

A statement, which executes one block of statement if

the condition is True and another block of statement if

This is similar to subroutine but always returns a single

Subroutine (b) Procedure (c) Function (d) none of these

Parent table has many records and child table also has

Parent table has one record & child table has many

Parent has many records and child table has one record

Default values (c) Unique values (d) Duplicate values

To locate a record in a database table quickly, use the:

COMPUTER SCIENCE2013

Time: 2 Hours 40 Minutes OPTION - II Marks: 60

(PROGRAMMING USING VISUAL BASIC)

SECTION B (SHORT-ANSWER QUESTIONS)(36)

Differentiate between input box and message box.

Define the terms (a) Primary key (b) Secondary key.

What is event driven programming?

Differentiate between DBMS and RDBMS

3.(a) What is MDI? What are its advantages in

hierarchical models.

which one is greater.

Selection Control?

Define common methods of Form.

objects of MS - Access.

following output:

12345

1234

123

12

1

Answer 6 question from this section.

What is and object in MS - Access? Enlist various

Write a program in Visual Basic to generate the

Define the term Function. Explain how it is different from

Define the term database Model. Explain relational and

Subroutine. (ix) Explain Active - X control in VB.

SECTION C (DETAILED- ANSWER QUESTIONS)(24)

Define and discuss the loops used in visual Basic.

What is data type>? Define visual basic data types.

Write a program which accepts three values and check

What is a Control Structure? What statement is used for

NOTE: Answer 2 questions from this section.

(b) Replace feature

(d) Print preview feature.

Key field must contain: (a) Filtered values

Procedure (b) Function (c) Structure (d) Array

Query (b) Form (c) Report (d) Macro

Relational Data Managing Structure

(viii) Option Buttons are also called:

the condition is False, is:

(xiii) One-to-many relation in RDBMS is:

Relational Data Management Structure

Relational Database Management System

The default name property of first Form is:

File (d)

(b) Active-X Data Object

+ & - both

none of these

What is a loop? Define diff. loops used in C language.

Define database Model with diagram.

reads a character from a text file name ABC.TXT.

(i) $x = \frac{(2ab)^2}{3c}$ (ii) $\frac{-b - \sqrt{b^2 - 4ac}}{2a}$ (iii) $(x + y)^n$

SECTION'C' (DETAILED- ANSWER QUESTIONS)

NOTE: Answer 2 question from this section.(24

(viii) Define various data types supported by Ms - Access.

NOTE: Answer 6 questions from this section.

Define Source code and Object code.

(ii) Define Switch case statement with an example.

(xii) Which of the following is a primary object in Ms-

Access? (a) Table (b) Form (c) Query (d) Report

Which of the following control structures uses DO-

, (comma) (b); (semi colon) (c) & (and) (d) none of these

printf() (b) getche() (c) main() (d) scanf()

converted to low level language is known as:

& (and sign)

\ (back slash)

op-code

address

arguments

Iteration logic

Iterative function

object code

Filtered values

Unique values

Key field must contain:

User defined function must have:

WHILE? (a) Sequence logic

A function that calls itself is called:

(xi) - Collection of related files is called:

(a)

(c)

(v)

(a)

(vi)

(a)

(c)

(a)

(vii)

(viii)

(a)

(c)

(ix)

(a)

(c)

(x)

(c)

(a)

(xiii)

(c)

(a)

2.(i)

(v)

(vi)

(vii)

(ix)

3.(a)

(b)

(b)

(b)

(i)

(a)

(ii)

(a)

(c)

(iii)

(a)

(iv)

(a)

(c)

(v)

(a)

(vi)

(c)

(b)

(c)

(d)

(a)

(c)

(ix)

(x)

(a)

(xi)

(a)

(xii)

(a)

(a)

(b)

(c)

(d)

(xiv)

(b)

(xv)

(a)

(c)

2.(i)

(ii)

(iii)

(iv)

(v)

(vi)

(vii)

(viii)

(b)

4.(a)

5.(a)

(b)

(b)

value:

records

all of these

Database

Find feature

many records.

(vii)

5.(a)

4.(a)

%

Time: 2 Hours 40 Minutes

sequences.

for(i=5; i>0; i-)

printf("n");

2 3 5 7 11)

examples of each.

of any function?

- language program?

the given options:

ADO stands for:

Positive value

Negative value

Host variable

Radio Buttons

Selected Buttons

in a printed format?

Access Data Object

Record (b) Entity (c)

The abs () function returns as:

Time: 20 Minutes OPTION - II

for(j=1;j>=1;j++)

printf("%d",i);

standard notations.

equivalent 'C' expressions:

program:

(b) /(forward slash)

(b) source code

(b) Default values

(b) prototype

(d) Duplicate values

none of these

none of these

(d) none of these

(b) Selection logic

Marks: 60

none of these

(d) % (percentage sign)

(d) (ii) (a)

(c)

(i) (a) (b)

(PROGRAMMING USING 'C') OPTION - I SECTION "A" (MULTIPLE CHOICE QUESTIONS)