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Max. Marks: 15 Time: 20 Minutes

NOTE: This paper comprises Two independent options - (i) Programming Using 'C' and (ii) Programming Using Visual Basic. The candidates have to attempt any One Option, Programming Using 'C' OR programming Using Visual Basic, whichsoever they have offered. OPTION - I (PROGRAMMING USING 'C')

SECTION "A" (MULTIPLE CHOICE QUESTIONS) Choose the correct answer for each from 1.

the given options: The declaration of scanf () & printf () is included in this (i)

header file: * <conio.h> * <stdio.h> * <math.h> * none of these

- This is not a relational operator: (ii) > * == * =< * && *
- This statement can terminate any loop immediately: (1111) * continue * switch * break * none of these
- This is a valid integer (int) type data: (iv) * 32768 * 10.5 * 2560 * All of these
- = is an operator of the type: (v)
- * Assignment * Arithmetic * Relational * Logical
- This is not an arithmetic operator: * + * / * % * x (vi)
- This is called the collection of related fields: (vii) * Record * Table * Entity * Attribute
- This is a primary object in MS-Access: (viii) * Form * Report * Table * Query
- Ш (ix)
- || is the type of operator: Logical *Arithmetic *Relational *Address
- Every C statement must be terminated with: (x)* , * 13 * : * ``
- This is a valid variable name: (xi) * \$amount * 23balance * marks_obt * printf()
- The float type data occupies: (xii) * 8 bytes * 1 byte * 2 bytes * 4 bytes

This is invalid variable declaration:

This is correctly initialized statement:

* 63.33 * 63 * 633.55

Time: 2 Hours 40 Minutes

(xiii)

(XV)

(iii)

(vii)

(viii)

3.(a)

(b)

0 to 255.

Time: 20 Minutes

5.(a)

(ii)

(iiii)

(v)

(vi)

(viii)

(x)

(xi)

(xii)

(xiii)

(xiv)

(v)

(vi)

4.(a)

(b)

* double p * unsigned int I * float p, q; * string name; What will be the output of the following statement? (xiv) printf ("%.2f",633.5584);

* none of these

Marks: 60

Max. Marks: 15

Marks: 60

Define its

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*float y=23; * integer y=23 * Char y='yes'; * int y=23;

OPTION - I (PROGRAMMING USING 'C') SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer any 6 questions from this sect-

Convert the following mathematical expression into C-

ion. No answer should exceed 6-7 lines. (36)2.(i) Define Relational operators with suitable examples.

language: (a) $x = \frac{(2ab)^2}{3c}$ (b) $y = \frac{4}{3}\pi r^3$ (c) $z = \frac{(a^2 - b^2)^2}{(a - b)}$

Define any Three I/O Functions with suitable examples. (iiii) Write a program to generate the following output (iv)

- 414 **非由由**
- Define IDE & discuss how it is useful in C programming. (v) What is a function? What are the advantages of using (vi) functions?

for (a=1; a<=10; a++)

What is the output of following program statement?

Elaborate the term primary key with its characteristics.

Explain Data types used in C language with suitable

Define Any three of the following: (i) Escape sequence

Write a program that prints all the ASCII characters from

Logical operators (iii) Query (iv) Header Files

Describe advantages of data base management system (ix) SECTION'C' (DETAILED- ANSWER QUESTIONS) NOTE: Answer 2 question from this section.(24

printf("%d", Pow (a,2);

- examples. (b) What are the main objects of MS-Access? What repetitive control structures are used in c? 4.(a) Discuss for () loop with example.
- Elucidate the term data base model. Explain relational and data base model

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Programming Using 'C' OR programming Using Visual Basic, OPTION - II whichsoever they have offered.

(PROGRAMMING USING VISUAL BASIC)

SECTION "A" MULTIPLE CHOICE QUESTIONS

Choose the correct answer for each from

This control represents an action that is carried out

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

* -32768 to 32767

Programming Using C' and (ii) Programming Using

the given options:

O to 4220

Time: 2 Hours 40 Minutes

Characteristics.

Access?

NOTE: This paper comprises Two independent options - (i)

Basic. The candidates have to attempt any One Option,

This control presents a group of buttons from which (i) user can choose only one: * Command button * Check box * Option button * Combo box

This range is valid for storing integer data type:

-13245 to 123450 * -65537 to 65538

where user clicks the button: * Check box * List box * Combo box * Command button This is used to declare variable explicitly: (iv) * Var * Set * Dim * None of these

This data type can accommodate all types of data:

* Object * Date * Variant * Fixed length string

- * Local variable called: * Global variable * All of these * Host variable A loop which uses a counter variable is known as: (vii)
- * For.... Each * For....Next * While Wend * Do loop

The Collection of related records is called:

* Form1 * Form * Any * None of these

values * Unique data * None of these

update, deletion and use of database is:

This type of variable is used in all procedures:

* Dim * Private * Public * None of these

* Field * File * Entity * Attribute

An Array index value starts from:

* 0 * -1 * 1 * None of them

A Form file is saved with one of the following extension: (ix) * .Frx * .Frm * .Ocx * noun of them Default property of first Form is:

A primary key must contain: * Filtered data * Default

A software that manages the creation, storage, access,

* DBMS * Database * System software * None of them

This data type is used to store long text entries in MS-(xv) * Memo * Text * Number * OLE object

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OPTION - II

(PROGRAMMING USING VISUAL BASIC)

SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer 6 part question from this sect-

Ion. No answer should exceed 6-7 lines. (36)

Define term function. Explain how it is different from subroutine? Write a program to generates the following output: (ii)

Differentiate between the following: (a) List Box and (iiii) Combo box (b) While ... Wend and For ... Next Describe common methods of form & Its key properties (iv) Differentiate between primary key and foreign key.

Multiple Document Interface?

Elaborate advantages of data base management system. (vii) Define various data types used in MS-Access. (viii) How do we connect VB with data base (ix) SECTION'C' (DETAILED- ANSWER QUESTIONS)

- NOTE: Answer Two questions from this section. (24) Define Relationships in DBMS & RDBMS. 3.(a) Define the term database model. Explain relational and (b) hierarchical model.
- 16 14 12 10 8 6 4 2 0 Define any three of the following: (i) Check box (b) Select Case (iv) Report (iii) Query Eluc idate the term ActiveX control. Discuss Scroll bar & 5.(a)

Text box controls. (b) What are main objects of MS-

Write a program that generate the following output