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Y–1301

Diploma in Computer Application
(First Semester) EXAMINATION, Dec., 2014
ESSENTIALS OF INFORMATION TECHNOLOGY
(DCA—101)

Time : Three Hours]   [Maximum Marks : 100

[Minimum Pass Marks : 33

Note : Attempt all questions. All questions carry equal marks.

Unit—I

1. (a) Specify Speed, Accuracy, Reliability and Memory of Computer System.

   (b) Describe briefly Micro, Mini and Mainframe computers.

Or

(a) Highlight Analog, Digital and Hybrid computers.

(b) Briefly explain classification of computer generations.

Unit—II

2. (a) Explain various types of input devices.

   (b) Differentiate between RAM and ROM.

U-99   P. T. O.

Or

(a) Differentiate between impact and Non-impact printers.

(b) Write short note on storage devices.

Unit—III

3. (a) Briefly explain ten DOS Internal Commands.

(b) Differentiate between files and directories with examples.

Or

(a) Briefly explain ten DOS external commands.

(b) Explain the process of making Autoexec.bat.

Unit—IV

4. (a) Explain various types of Windows version.

(b) Explain various features of Windows Operating System.

Or

(a) Differentiate between Word Pad and Note Pad.

(b) Describe the procedure of creating folders.

Unit—V

5. (a) Describe the concept of open source software.

(b) Describe briefly structure of LINUX operating system.

Or

(a) Highlight Linux editor and editor commands.

(b) Briefly explain directory structure of Linux.

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Y–1303

Diploma in Computer Application
(First Semester) (Regular)
EXAMINATION, Dec., 2014
PROGRAMMING IN 'C'

(DCA–103)

Time : Three Hours]　　　　[*Maximum Marks : 100*

[*Minimum Pass Marks : 33*

Note : All questions are compulsory. Attempt any *two* parts from each question. All questions carry equal marks.

Unit—I

1. (a) What are the primitive data types in 'C' ? Explain with example.　　10

   (b) What do you mean by compiler ? What are the differences between Complier and Interpreter ? 10

   (c) Explain Header file in 'C'. Write a program in 'C' language to check whether a number is even or odd.　　10

Unit—II

2. (a) Explain arithmetic and increment, decrement operator with example.　　10

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(b) What do you mean by Expression ? Write a program in 'C' to find area of circle.   10

(c) Explain Relational and Boolean operators with example.   10

Unit—III

3. (a) Explain control structure in C with example.   10

(b) Explain Switch statement with an example.   10

(c) Explain Array. Write a program in 'C' for matrix multiplication.   10

Unit—IV

4. (a) What is Recursion ? Write a program in 'C' to find factorial using recursive function.   10

(b) Explain Array within structure with example.   10

(c) What is the difference between library function and user defined function ?   10

Unit—V

5. (a) What do you mean by pointer variable ? Explain pointer arithmetic.   10

(b) What is the use of pointer in 'C' ? Explain void pointer in 'C'.   10

(c) Write a program in 'C' to demonstrate pointer and array.   10

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Y–1302

Diploma in Computer Application
(First Semester)
EXAMINATION, Dec., 2014
ESSENTIALS OF OFFICE AUTOMATION
(DCA–102)

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 33

Note : All questions are compulsory. Attempt any *two* parts from each question. All questions carry equal marks.

1. (a) Explain mail-merge features of MS-word. Explain with example.

   (b) Write short notes on the followings :

   (i) Use bulleted and numbering

   (ii) Checking spelling and grammar

   (c) How can we create Chart and Graphs ? What are different types of chart in MS-Word ?

2. (a) What is the use of Pivot table ? Explain with example.

   (b) What are different functions and formulas used in MS-Excel explain with example.

   (c) What do you understand by Macro ? Write steps of recording, playing and deleting macro.

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P. T. O.

3. (a) What is MS-Power Point ? What are the features and use of MS-Power Point ?

   (b) Explain the followings :

      (i) Selecting background and applying

      (ii) Adding sound and movie

   (c) Explain different types of slides. Also write steps for adding graphics to slide.

4. (a) What is Relationship ? What are different types of Relationship ?

   (b) Write down steps for MS-Access :

      (i) Creating tables

      (ii) Define data types in MS-Access

   (c) Explain the following with examples :

      (i) Updata query

      (ii) Delete query

      (iii) Selection query

      (iv) Cross table query

      (v) Make table query

5. (a) What do you understand by Accounting ? Explain the types of Accounts.

   (b) What do you mean by Trial balance ? Explain the methods of preparation of Trial Balance.

   (c) Explain the following in brief :

      (i) Ledgers and Groups

      (ii) Voucher entry.