Code: DE53/DC53 Subject: COMPUTER FUNDAMENTALS & C PR

Diplete – Et/CS

Time: 3 Hours

DECEMBER 2012

Max. Marks: 10

ROLL NO.

studentBounty.com PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Ouestion 1 is compulsory and carries 20 marks. Answer to 0.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions, selecting TWO questions from part A and THREE questions from part B. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

0.1 Choose the correct or the best alternative in the following:

 (2×10)

a. What format is used to print an integer with the printf function?

(A) % y	(B) %z
(C) %d	(D) % 1C

b. If count =9, the value of group = (++count) + 5 is

(A) 10	(B) 12
(C) 11	(D) 15

c. Decimal to Binary conversion of 15 is

(A) 1010	(B) 1011
(C) 1111	(D) 1001

d. Mathematical functions are available in which header file in C

(A) stdio.h	(B) stdlib.h
(C) math.h	(D) io.h

e. Which statement is not valid?

(A) a pointer variable can be assigned the address of another variable (B) a pointer variable can be assigned the value of another pointer variable (C) a pointer variable can be initialized with null or zero value (**D**) none of the above

f. Indentify the correct declaration

(A) int COUNT[5] [4];	(B) int SUM[10,10];
(C) int GROUP(10) (10);	(D) int Z(10,10);

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g. AN INTERPRETER is	- CH
 (A) a combination of computer hard (B) a program which translates from (C) a program which translates from (D) None of these 	ware n one high-level language to another n one high-level to a machine level line by line
h. The parameters in a function call are	e
(A) Actual parameters(C) dummy parameters	(B) formal parameters(D) optional
i. OCR stands for	
(A) Open Character Reader(C) Output Computer Reader	(B) Optical Character Recognition(D) None of these
j. FTP means	
(A) File Transfer Packet(C) Frequently Transmitted Packet	(B) File Transfer Protocol(D) None of these

PART A Answer any TWO questions. Each question carries 16 marks.

Q.2	a. Explain the working of computer with stored program.	(8)
	b. Describe the hexadecimal representation of numbers.	(8)
Q.3	a. Discuss computer input units.	(4)
	b. Discuss the compiling of high level language program.	(6)
	c. Write a note on the layer of UNIX operating system.	(6)
Q.4	a. Define minimum microcomputer configuration in brief.	(8)
	b. What is the need of computer communication network?	(8)

PART B
Answer any THREE questions. Each question carries 16 marks.

Q.5 Discuss: (i) Keyword and identifiers (ii) Bitwise operators (iii) Formatted input (iv) Formatted output.		(4 × 4)
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Q.6	a.	Describe the else if ladder with example.	(8	OUNT
	b.	Explain Do-While statement with examples.	(8	. Con
Q.7	a.	Discuss the initialization of two 'dimensional arrays'.	(8	
	b.	How can you write the string to the screen?	(8	i)
Q.8		Discuss: (i) No argument but no return value with example. (ii) Function that return multiple values.	(8+8)
Q.9	a.	Discuss declaration of pointer variable with example.	(8	i)
	b.	Describe the following: (i) getc and putc functions (ii) fprintf and fscanf functions	(4+4)

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