BICS-030

DIPLOMA IN COMPUTER SCIENCE AN TECHNOLOGY (DCSVI) Term-End Examination June, 2011 BICS-030 : 'C' PROGRAMMING Time : 2 hours Maximum Ma Note : Attempt any five questions. Each question carr marks. First question is compulsory. 1. (a) The range of unsigned int is : (i) $0-65535$ (ii) -32768 to 32767 (iii) $0-255$ (iv) -128 to 125 (b) Every statement in 'C' ends with : (i) colon (ii) semicolon (iii) dot (iv) '\n' (c) What is the output of the following code in a; i=5; a = + +i + i + +;			
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(c) What is the output of the following code is a; i=5;			
a; i=5;	nt		
a = + + i + i + +;			
printf("%d%d", a, i);			
(i) 12, 6 (ii) 11, 7			
(iii) 12, 7 (iv) 10, 7			
(d) If is a :			
(i) variable (ii) keyword			
(iii) identifier (iv) none			

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- (e) Array is of which type :(i) non-linear (ii) linear
 - (iii) primitive (iv) none
- (f) What is the output of the following code int a; i=15; a = -15% - 20; printf ("%d", a);
 (i) 15 (ii) 0
 - (iii) -15 (iv) -3
- (g) do while loop is :
 - (i) Entry control loop
 - (ii) Exit control loop
 - (iii) both (i) and (ii)
 - (iv) none
- 2. (a) What is Information ? What is the need of 7 information storage and retrieval ? Explain with suitable example.
 - (b) What are key constraints ? Explain each 7 key with suitable example.
- (a) Write a program to check whether the given 7 number is prime number or not.
 - (b) Write the syntax of switch. How it differs 7 from the If - else Ladder ?
- (a) What is computer ? Write and explain the 7 applications of computer. Computer is the combination of Hardware and software. Justify.

- (b) Write a 'C' program for printing the output 7 as given below.
 - 1 2 3 4 5 6 7 8 9 10
- 5. (a) What is Database management system ? 7 Explain the architecture of DBMS.
 - (b) What is array ? Write a program for the addition of two matrices of order 3x3.
- 6. (a) Write a program to create a database file 7 having student name, Roll Number, percentage, address and write a query to get the record of those students who live in Noida.
 - (b) What are data types ? Explain each data 7 type with example.
- 7. Explain the following in short : 2x7=14
 - (a) CAD
 - (b) CAM
 - (c) CAE
 - (d) CAI
 - (e) Software available for electrical engineering
 - (f) DML and DDL
 - (g) RDBMS

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