Note: Answer 4 questions taking any two from each group. Figures at right margin show manks Determine which of the followings are valid identifiers. If invalid state the reason. Group - A Record 1, 123abe, tax\$ . Roll, No, name and roll, x+y, 12x, return State the names of four basic data types in C along with the typical memory requirements. 2.5 b) A C program contains the following statements: C) //include<stdio.h> short a; long b; char d; Write the appropriate scanf() and printf() functions to enter the values and print them. A C program contains the following declarations and mitial assignments: float x = 0.005, y = -0.01; char c ='c', d = 'd'; Determine the value of each of the following expressions. 2\*((k/5)+(4\*(j-3))%(k+j-2)) iii) (j<5)!! (x > y) && (k>10) Distinguish between the operators % and / with example. Write the output of the following program: main() { int i, j; Du-Ipul i = 5; j = 7; j \*= (i - 3); printf("%d", j); c) .- What are the commonly used input/ output functions in C? How are they accessed? Write the output of the following program: main() ( int i, j; i=1;j=2; if(i > 0 & & j > 0) printf("Hello");clse if (i = 2 & j == 2) printf("How are you?"); clse printf("Nothing"); What is the purpose of break statement? Show with an example. 2.5 What will be the output of the programs? i . main() { for (i=0; 'i<10, ) 1++ ii. main() ( sum = sum + i; for (i=10; i=10; i=1) printf("%d", sum); printf("CSE");

Write the following program by using if-else structure: #include<stdio.li> 2.5 void main() int a,b,c; printf("Enter (wo numbers:"); scanf("%d"/%d", &a, &b); c=a>b?a:b; printf("%d",c);

Give the output of problem 3(b) for a 15,b 20 and ( 25,b 10 Read the program carefully and then answer follows: g questions: #include<stdio.h. #include<comio.li> void main() { 4. int a,b;

5. int c,d: 6. printf("Enter values of a and b'); scanf("%d%d",&a&b);

c)

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