**Quiz-1**

**Answer all questions. Write your answer neatly and cleanly inside the box provided and show all your work in a supplementary sheet.**

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| **1. Find the output.**  **main( )**  **{**  **int i,j,x= 221;**  **i =2;**  **while( x%i!=0)**  **i = i+1;**  **j=3;**  **while((i+1)%j!=0)**  **j =j+1;**  **printf(“ j = %d”, j);**  **}**  **Answer:** | **2. Find the output of the following program for x = 0 and x= 3 respectively**  **main( )**  **{ int a =0, x;**  **scanf(“%d”,&x);**  **if( x>0)**  **{**  **if ( x < 2)**  **a =1;**  **else**  **if(x>4)**  **a = 2;**  **}**  **else**  **a =3;**    **printf(“ a = %d”, a);**  **Answer:** |
| **3.Find the output**  **main( )**  **{**  **int a = 1937 , b = 5627**  **a = a + b;**  **b = a - b;**  **a = a - b;**  **printf(“a = %d , b = %d”, a,b);**  **}**  **Answer:** | **4. Find the output for x =15 and x =41**  **main( )**  **{**  **int x,i;**  **scanf(“%d”,&x);**  **for(i=2; x%i ; i++);**  **printf(“%d”, i);**  **}**  **Answer:** |
| **5. Find the output**  **main()**  **{**  **int x,y,z;**  **x=0;**  **y = z=1;**  **if(x==y<z)**  **printf(“true”);**  **else**  **printf(“false”);**    **Answer:** | **6. Find the range of x for which the following expression is true:**  **!( x>10 || x>100|| x>50 && x<60)**  **Answer:** |

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| **7) #include <stdio.h>**  **void main()**  **{**  **int i,j,k;**  **for(i=1;i<=3;i++)**  **for(j=1;j<=3;j++)**  **for(k=1;k<=3;k++)**  **if(i !=j || j==k &&k != i)**  **printf(“%d %d %d”,i,j,k);**  **}** | 8**) #include <stdio.h>**  **void main()**  **{**  **int i = - 4, j, num = 10;**  **j = i % -3;**  **if( j<0)**  **j = num ;**  **else**  **j = num \* num;**  **printf(“j = %d “,j);**  **}** |