**CS-1004 OOP (CS – A&B) Quiz # 1 [25 marks]**

**Time = 20 minutes Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Q-1)* For the Given codes, provide the output. If you find any error, correct that error and then provide output:**

|  |  |
| --- | --- |
| int main()  {  int arr[] = {14, 15, 16, 17};  int \*p = (arr + 3);  cout << \*p + 1;  return 0;  } | Output: |
| int main ()  {  int numbers[5];  int p= numbers;  \*p = 20;  p++; \*p = 10;  p = &numbers[2]; \*p = 35;  p = numbers + 3; \*p = 10;  p = numbers; \*(p + 4) = 53;  for (int n = 0; n < 5; n++)  cout << numbers[n] << ",";  return 0;  } | Output: |
| int main()  {  const int a = 3;  int\* p = &a;  cout << \*p \* \*p;  } | Output: |
| int check(char\* a, char\* b)  {  for (; \*a == \*b; a++, b++)  if (\*a == '\0')  return 0;  return \*a - \*b;  }  int main()  {  char a[10] = "ABCD", b[10] = "abcd";  cout << check(b, a) << endl;  } | Output: |
| int\* check(int num)  {  num += 2;  num = num \* num + 10;  return &num;  }  int main()  {  int num = 3;  int\* q;  q= check(num);  \*q += 2;  cout << \*q;  return 0;  } | Output: |
| What does following statement represent?  char \*\*\*p;  Answer: | |

***Q-2)* Write a complete C++ code that inputs a character array from a user. After taking input it calls a function *CountThree*(char \*) that counts three letter words from that character array and returns that value to main().**