

**Pseudocode Questions file 3**

**Dated 20-10-2025**

**Q1. What will be the output?**

```
int main()
{
    char word[] = "HELLO";
    printf("%c%c", word[4], word[0]);
    return 0;
}
```

- A) HO
- B) OH
- C) EH
- D) OE

**Q2. What will be the result?**

```
void display()
{
    static int counter = 0;
    counter += 2;
    printf("%d ", counter);
}

int main()
{
    display(); display(); display();
    return 0;
}
```

- A) 0 2 4
- B) 2 4 6
- C) 2 4 6
- D) 2 2 2

### **Q3. What will be the output?**

```
int main()
{
    int p = 8, q = 12;
    printf("%d", p & q); // Bitwise AND
    return 0;
}
```

- A) 20
- B) 8
- C) 4
- D) 12

### **Q4. What will be the output of the following pseudocode?**

```
integer x, y, z
x = -3, y = 0
if(y-2<2)
    for (each z from 0 to (3-2))
        x = x +(y-3)
    end for
end if
if(1)
    for (each z from 0 to (3-2))
        x = x+(y+5)
    end for
end if
print x +y
```

**Q5. What will be the output of the following pseudocode?**

```
Integer b,c, d,e, f  
c = 22, d = 52, e = 13  
For (each b from 1 to 3)  
    f = (c+d)/e  
    if (f%13 ==0)  
        e = ((e+f)-(c-10)) + b  
    else  
        d = d+b+f  
End for  
print e, d
```

**Q6. What will be the output of the following pseudocode?**

```
integer j  
integer arr[4] = {3,1,4,2}  
if((arr[2] & arr[0]& arr[3])<(6-arr[3]-arr[2]))  
    arr[1] = (arr[0]+5) + arr[0]  
end if  
if((arr[0]+ arr[3])< arr[3])  
    arr[2] = 5+arr[1]  
end if  
arr[2] = (arr[3] +4) + arr[3]  
print arr[0] + arr[2]
```

**Q7. What will be the output of the following pseudocode?**

```
BEGIN
SET a = 10
IF (a++ > 10) THEN
    PRINT "true"
END IF
PRINT "false"
PRINT "ABC"
END
```

**Q8. Predict the output of the following pseudocode if p = 15 and q = 4**

```
Integer solve (Integer p, Integer q)
Integer value
while(q)
    value = p MOD q
    p = q
    q = value
End while
return p
End function solve ()
```

**Q9. What will be the output of the following pseudocode ?**

```
integer number[10], j
set number[10] = {1,2,3,4,5,6,7,8,9}
integer limit = 1
for(each j from 0 to value returned by the condition
(number[j]<=3 || number[j] EQUALS 3 || number[J] NOT EQUALS 7))
    limit = limit + number[j] + number [j] *5
End for
print limit
```

**Q10. What will be the output of the following pseudocode?**

```
Integer a, b, c
Set b =10
for (each a from 1 to 4)
    b= b+a
end for
c = b/5
print c
```

**Q11. What will be the output of the following pseudocode for input a =2 and b =4?**

```
int fun (int a, int b)
{
    int n =0
    if(b<1)
        return n
    else
        return fun (a+b+2, b-2)
}
```

**Q12. What will be the output of the following pseudocode?**

```
char[] text = "TESTSTRING"
integer a, c
char ch ='T'
c = 0;
for (each a from 0 to length of text)
    if(text[a] == ch)
        c = c+1
    endif
end for
if(c>0)
    print c
else
    print "0"
```

**Q13. What will be the output of the following pseudocode?**

```
Integer a, b, c, d
Set a = 14, b = 15, c = 16
If(a>6)
    b = c-a
    if(a>c)
        d = b+c
    else
        d = b-c
else
    d = a+b+c-3
print d
```

**Q14. What will be the value of t if a= 26, b = 168?**

```
Read a, b
Function fun(a, b)
    t=0
    while(b!=0)
        t = t+a
        b = b-1
    end while
    return t;
end Function
```

**Q15. What will be the output of the following pseudocode?**

```
Integer n, be, end
Set be = 5, end =7, sum =0
If(be>end)
    Print sum+1
Else
    for(n=end; n>=be ;n=n-1)
        sum = sum+n
        n = n-1
    end for loop
print n
```