```
1.
    Predict the output of the following code snippet.
    #include<stdio.h>
    int main()
    {
       int k, num = 30;
       k = (num > 5 ? (num <= 10 ? 100 : 200) : 500);
       printf("%d\n", num);
       return 0;
    }
       500
       200
       30
       0 100
2.
    Sample Code
    #include<stdio.h>
    int main()
    {
       int x = 1/2;
       if(x) printf("x=%d\n", x);
       else printf("x=%d\n", x*2);
    }
    Which one of the following is printed when the sample code above is executed?
       ○ x=-1
       ○ x=2
       ● x=0
       ○ x=1
3.
      What will be the output of the following code snippet?
      #include<stdio.h>
      int main()
          int ch=97;
          switch (ch)
              case 'a':
                  printf("A");
                  break;
              case 'b':
                  printf("B");
                  break;
          }
              return 0;
      }
```

```
97
       O Compile time error
       A
       \bigcirc B
4.
     Predict the output.
      #include<stdio.h>
      int main()
          switch (printf("Do"))
              case 1:
                  printf("First\n");
                  break;
              case 2:
                  printf("Second\n");
                  break;
              default:
                  printf("Default\n");
                  break;
          }
          return 0;
      }
       ○ Second
       ○ DoSecond
       Default
       O First
       DoSecond
5.
     What will be the output of the following code snippet?
      #include<stdio.h>
      int main()
      {
          if(10)
          {
              printf("Hai");
          }
          else
              printf("Bye");
          }
          return 0;
      }
       ○ HaiBye
       ○ Bye
```

```
O Compile time error
6.
     Predict the output.
     #include<stdio.h>
      int main()
      {
          if(0)
              printf("Hai");
          }
          else
              printf("Bye");
          return 0;
      }
       ○ HaiBye
       O Compile time error
       ○ Hai
       Bye
7.
      What would the following program produce when executed?
      #include<stdio.h>
      int main()
      {
          if(4 < 5)
              printf("Hai\n");
              printf("Hello");
          else
              printf("Bye");
          return 0;
      }
       Compile time error
       ○ Hai
       Hello
       ○ Bye
       ○ Hai
    #include<stdio.h>
    void main()
    {
      int a=100;
      if(a>10)
      {
```

Hai

```
printf("James Gosling");
  }
  else if(a>20)
    printf("Bjarne stroustrup");
  }
  else if(a>30)
    printf("Dennis ritchie");
  }
}
       James Gosling
       ○ Bjarne stroustrup
       O Dennis ritchie
       O Syntax error: else missing
    What is the output of the following program?
      #include <stdio.h>
      int main()
      {
          if (4 - 2 * 2)
          {
              printf("Hi");
          }
          else
              printf("Bye");
          }
      }
       \bigcirc Hi
       Bye
       ○ HiBye
       O Nothing will be printed on the screen
10. The following arithmetic expression in C evaluates to?
      16 / 2 + 2 - 7 * 3 + 146 % 100
       25
       O-25
       O-35
       35
```

| What will be the output of the following pseudocode? | |
|--|--|
| input m=9,n=6 | |
| m=m+1 | |
| n=n-1 | |
| m=m+n | |
| if(m>n) | |
| print m | |
| else | |
| print n | |
| | \bigcirc 10 |
| | ○ 6 |
| | ○ 5 |
| | |
| | 15 |
| 12 | What will be the value of valif the imput is 4.2.2.0.4 company and to m52 |
| | What will be the value of val if the input is 1, 2, 3, 9, 4 corresponding to n1 to n5? |
| | lf(n1 < n2) Set val to n2 |
| | Else |
| | Set val to n1 |
| | If(n3 > val) |
| | Set val to n3 |
| | If(n4 > val) |
| | Set val to n4 |
| | If(n5 > val) |
| | Set val to n5 |
| | |
| | 9 |
| | \bigcirc 3 |
| | ○ 2 |
| | \bigcirc 1 |
| | |
| 13. | What will be the output of the following Pseudocode? |
| | int a=9, b=7, c=8, d=4, e |
| | e = a + b + c + d / 4 |
| | if (e > 5) |
| | print "PASS" |
| | else |
| | print "FAIL" |
| | ○ FAIL |
| | \bigcirc 0 |
| | \bigcirc 1 |
| | PASS |
| | |
| 14. | What will be the output of the following pseudocode? |
| | Integer a, b, c |

```
Set b = 5, a = 2, c = 2
if(b>a && a>c && c>b)
  b = a + 1
Else
  a = b + 1
End if
Print a + b + c
        \bigcirc 2
        13
        26
        \bigcirc 5
15. What will be the output of the following pseudocode?
     Integer a, b, c
     Set a = 108, b = 2, c = 3
     if((a MOD 9) EQUALS 0)
       b = b + (a MOD 2)
       Print b
     Else
       c = c + (a MOD 7)
       Print c
     end if
     [Note: MOD finds the remainder after the division of one number by another. For example, 5%2
     leaves a quotient of 2 and a remainder of 1]
        2
        \bigcirc 7
        \bigcirc 1
        \bigcirc 3
16. What is the output of the following pseudocode?
     Integer b = 10, a = 1
     if(0)
       a = a - 1
     Else
       a = b + 1
       b = a - 1
       a = a - 1
     End if
     Print a
     [Note: If(x) gets executed if the value inside if(), i.e., x is not zero]
        \bigcirc 3
        \bigcirc 5
        10
        \bigcirc 11
```

17. What will be the output of the following pseudocode? Integer a, b, c Set b = 40, a = 20, c = 20if (c > (c + a))b = 0Else a = a + 2c = a + 2End if if (c > (b + a))b = 0Else a = a + 2c = a + 2End if Print a + b + c \bigcirc 60 \bigcirc 30 **9**0 ○ 39 18. What will be the output of the following pseudocode? Integer a, b Set a = 3, b = 5if (a & (b + 1)) a = a + aEnd if Print a + b **11** \bigcirc 30 \bigcirc 8 \bigcirc 7 19. What will be the output of the following pseudocode? Integer a, b, c Set a=2, b=4, c=9 If $((5 ^a a ^b) < (3 + b + c))$ c = (a + b) + bc=a end if print a+b+c \bigcirc 17 \bigcirc 5

```
8
```

 \bigcirc 11

20. What will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 5, q = 10, r = 14
If (r > p OR (7-7) > (r-7))
    q=p
else
    p=12
end if
print p + q + r
```

- \bigcirc 26
- **24**
- \bigcirc 22
- 35