

Day-1 Test

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* Required

Out put bases Assessment Test

Consider Turbo C/C++ 3.0 compilers on 32bit operating System and assumed that

- ☐ Programs run under DOS environment,
- ☐ The underlying machine is an x86system.
- ☐ Program is compiled using Turbo C/C++compiler.
- ☐ The program output may depend on the information based on these assumptions.
(for example sizeof(int) == 2 may be assumed).

Each Question carries 2marks for right answer and -1 for wrong answer.

Q-01 *

```
#include <stdio.h>
int main()
{
    printf("%d", printf("%d",
    printf("%d", printf("%s", "Welcome
    to gurukulbbsr"))));
    return (0);
}
```

- ☐ Welcome to gurukulbbsr2531
- ☒ Welcome to gurukulbbsr2221
- ☐ Welcome to gurukulbbsr2124
- ☐ Welcome to gurukulbbsr3125



Q-02 *

```
#include <stdio.h>
int main()
{
    int x = 30, y = 25, z = 20, w = 10;
    printf("%d ", x * y / z - w);
    printf("%d", x * y / (z - w));
    return (0);
}
```

- ☐ 27 85
- ☐ 82 27
- ☒ 27 75
- ☐ No output

Q-03 *

```
#include <stdio.h>
int main()
{
    int a = 15, b;
    b = (a++) + (a++);
    a = (b++) + (b++);
    printf("a=%d b=%d", a, b);
    return (0);
}
```

- ☒ a=63 b=33
- ☐ a=33 b=63
- ☐ a=66 b=33
- ☐ a=33 b=33



Q-04 *

```
#include <stdio.h>
int main()
{
    main();
    return (0);
}
```

- ☐ Compile time error
- ☒ Abnormal termination
- ☐ Run time error
- ☐ No output

Q-05 *

```
#include <stdio.h>

int main()
{
    int c = 4;
    c = c++ + ~++c;
    printf("%d", c);
    return (0);
}
```

- ☐ 3
- ☒ -3
- ☐ 31
- ☐ Compile time error



Q-06 *

```
#include "stdio.h"
#include "stdlib.h"

void reverse(int i)
{
    if (i > 5)
        exit(0);
    printf("%d\n", i);
    return reverse(i++);
}

int main()
{
    reverse(1);
}
```

- ☐ Segmenation fault
- ☐ Compilation error
- ☒ Print 1 Infinite time
- ☐ Both a & c



Q-07 *

```
int main()
{
    int i;
    if(i=(2,1,0))
        printf("GURUKUL ");
    else
        printf("Hello ");
    printf("%d\n",i);
}
```

- ☐ Hello 3
- ☐ GURUKUL 0
- ☐ Hello 0
- ☐ GURUKUL 3

Q-08 *

```
int main()
{
    float a=0.7;
    if(a<0.7)
        printf("C");
    else
        printf("C++");
    return 0;
}
```

- ☐ Compilation error
- ☐ C++
- ☐ c



Q-09 *

```
int main()
{
    if(-1L>1UL)
        printf("I am crazy");
    else
        printf("You are Crazy");
}
```

- ☐ I am Crazy
- ☐ You are crazy

Q-10 *

```
int main()
{
    int i;
    if(i=0,2,3)
        printf("GURUKUL ");
    else
        printf("Hello ");
        printf("%d\n",i);
}
```

- ☐ Hello 3
- ☐ Hello 0
- ☐ GURUKUL 0
- ☐ GURUKUL 3

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