Exam Sample Questions

1. Which of the following is not a valid escape sequence?

(a) \n
(b) \\n
(c) \~

(d) "

ANS: (c)

2. Consider the following correct segment of a correct C program:

```c
p = 2;
while (p < 2000) {
    p = 2 * p;
}
```

What is the value of \( p \) after this while loop completes its execution?

a) 1023
b) 1024
c) 2047
d) 2048

ANS: (d)

3. What is produced by a for statement with a correct body and with the following header

```c
for (i = 20; i >= 2; i += 2)
```

a) a syntax error
b) a divide-by-zero error
c) an infinite loop
d) the even values of \( i \) from 20 down to 2.

ANS: (c)

4. Which is not an ANSI standard library function?

a) printf
b) main
c) scanf
d) pow

ANS: (b)
5. Advantages of typedef do not include

(a) making programs more portable by allowing data types to be easily changed to meet system specifications.
(b) making type names shorter.
(c) making programs more readable.
(d) increasing the efficiency of accessing struct member variables.

ANS: (d)