Answer the following questions:

1. State the difference between a library function call and a system call in C programming.
2. Explain the role of the exec() family of system calls in C programming.
3. How is process termination typically handled using system calls in C programming? Which are the system calls involved?
4. What is a signal handler? What does it do?
5. Discuss the significance of header files in C programming with respect to libraries.
6. What is the Curses library used for and which are the I/O functions controlled by the Curses library?
7. State two points differentiating the X library and the Win 32 library?
8. How do you create and use your own custom libraries in C programming?