**MCQs on Unsafe Codes in C#**

1. **What is unsafe code in C#?**  
   a) Code that cannot be compiled  
   b) Code that uses pointers  
   c) Code that uses exceptions  
   d) Code that runs without variables  
   **Answer:** b) Code that uses pointers
2. **Which keyword is used to define an unsafe code block in C#?**  
   a) unmanaged  
   b) pointer  
   c) unsafe  
   d) unchecked  
   **Answer:** c) unsafe
3. **What is a pointer in C#?**  
   a) A reference variable  
   b) A variable that stores the address of another variable  
   c) A class that provides memory management  
   d) A special type of exception  
   **Answer:** b) A variable that stores the address of another variable
4. **Which of the following is a valid pointer declaration in C#?**  
   a) int \*p;  
   b) int& p;  
   c) pointer<int> p;  
   d) int @p;  
   **Answer:** a) int \*p;
5. **How can you retrieve the value stored at a pointer's memory location?**  
   a) Using the ToString() method  
   b) Using the sizeof operator  
   c) Using the \* operator  
   d) Using the GetValue() method  
   **Answer:** c) Using the \* operator
6. **Which of the following must be enabled to compile unsafe code in C#?**  
   a) /unsafe compiler option  
   b) /pointer compiler option  
   c) /allow compiler option  
   d) /security compiler option  
   **Answer:** a) /unsafe compiler option
7. **Which of the following is NOT a valid pointer type in C#?**  
   a) int\*  
   b) char\*  
   c) string\*  
   d) float\*  
   **Answer:** c) string\*
8. **Which keyword is used to fix a pointer to prevent garbage collection from moving it?**  
   a) static  
   b) pin  
   c) const  
   d) fixed  
   **Answer:** d) fixed
9. **What happens when you try to use pointers without enabling unsafe code in C#?**  
   a) Compilation error  
   b) Runtime error  
   c) Program crashes  
   d) Memory leak  
   **Answer:** a) Compilation error
10. **Which of the following statements is true about pointers in C#?**  
    a) Pointers can be used in any part of the code  
    b) Pointers are managed by the garbage collector  
    c) Unsafe code requires explicit enabling in project settings  
    d) C# does not support pointers at all  
    **Answer:** c) Unsafe code requires explicit enabling in project settings