**1. What is a file in C#?**

a) A collection of data stored in RAM  
b) A collection of data stored in a disk with a specific name and directory path  
c) A method for reading data from a database  
d) A data type in C#  
**Answer:** b) A collection of data stored in a disk with a specific name and directory path

**2. What are the two main types of streams in File I/O?**

a) Input stream and output stream  
b) Read stream and write stream  
c) Open stream and close stream  
d) Binary stream and text stream  
**Answer:** a) Input stream and output stream

**3. Which namespace in C# is primarily used for File I/O operations?**

a) System.Text  
b) System.IO  
c) System.Data  
d) System.Collections  
**Answer:** b) System.IO

**4. What is the purpose of the FileStream class in C#?**

a) It is used for database connections  
b) It helps in reading from, writing to, and closing files  
c) It is used for network communication  
d) It is an alternative to exception handling  
**Answer:** b) It helps in reading from, writing to, and closing files

**5. Which enumerator allows opening an existing file for reading and writing?**

a) FileMode.Append  
b) FileMode.CreateNew  
c) FileMode.OpenOrCreate  
d) FileMode.Truncate  
**Answer:** c) FileMode.OpenOrCreate

**6. Which class is used for reading characters from a byte stream?**

a) StreamReader  
b) BinaryWriter  
c) DirectoryInfo  
d) MemoryStream  
**Answer:** a) StreamReader

**7. What is the function of BinaryWriter in C#?**

a) Reads primitive data from a binary stream  
b) Writes primitive data in binary format  
c) Reads characters from a text file  
d) Writes characters to a console output  
**Answer:** b) Writes primitive data in binary format

**8. How do you correctly create a FileStream object for reading a file?**

a) FileStream F = new FileStream("file.txt", FileMode.Open, FileAccess.Read);  
b) FileStream F = new FileStream("file.txt");  
c) FileStream F = new FileStream();  
d) FileStream F = File.OpenRead("file.txt");  
**Answer:** a) FileStream F = new FileStream("file.txt", FileMode.Open, FileAccess.Read);

**9. What does FileShare.None do when used with FileStream?**

a) Allows multiple processes to read the file simultaneously  
b) Prevents other processes from accessing the file while it is open  
c) Opens the file in write mode only  
d) Allows inherited file handles to be passed to child processes  
**Answer:** b) Prevents other processes from accessing the file while it is open

**10. What happens when you use FileMode.CreateNew on an existing file?**

a) It opens the file without modification  
b) It deletes the existing content and writes new data  
c) It throws an exception if the file exists  
d) It appends new content at the end of the file  
**Answer:** c) It throws an exception if the file exists