8 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to streams, along with their solutions and multiple options:

Question 1: What is a stream in the context of programming?

- a) A flowing body of water
- b) A sequence of characters
- c) A static data structure
- d) A type of variable

Solution: b) A sequence of characters

Question 2: What does I/O stream stand for in programming?

- a) Input/Output stream
- b) Integer/Output stream
- c) Input/Object stream
- d) Inferred/Output stream

Solution: a) Input/Output stream

Question 3: In Java, which classes are used for byte-oriented stream handling?

- a) InputStreamReader and OutputStreamWriter
- b) FileInputStream and FileOutputStream
- c) BufferedReader and BufferedWriter
- d) DataInputStream and DataOutputStream

Question 4: What does EOF stand for when working with streams?

- a) End Of Function
- b) End Of File
- c) Exit On Failure
- d) End Of Flow

Solution: b) End Of File

Question 5: Which stream is used for reading text input from the keyboard in C++?

- a) cin
- b) cout
- c) cinstream
- d) inputstream

Solution: a) cin

****Question 6: What is the purpose of a buffer in stream processing?****

- a) To store files temporarily
- b) To speed up data access and manipulation
- c) To discard unwanted data
- d) To display output on the screen

Solution: b) To speed up data access and manipulation

Question 7: Which stream modifier is used to open a file for both reading and writing in C?

a) rb+

b) rw

d) rw+

Solution: d) rw+

****Question 8: What is the primary function of the flush() method in streams?****

- a) To close the stream
- b) To skip data
- c) To remove data from the buffer and write it to the destination
- d) To read data from the stream

Solution: c) To remove data from the buffer and write it to the destination

Question 9: In Python, which function is used to read a line from a file stream?

- a) read()
- b) readline()
- c) readlines()
- d) getline()

Solution: b) readline()

Question 10: Which stream is used to write data to the standard output in C programming?

- a) stdout
- b) stdin
- c) stderr
- d) stdio

Solution: a) stdout