C33510: OPERATING SYSTEMS-1 NELMA PHATRI REDD,
AIRIBTECHIOSO

1. (a) Interrupts serve the purpose; of signating the occurre Of an ever event. These temporarily halt cru's current activities and transfer control to interript service routine. The purpose of interrupts is to handle events; which require immediate attention like I/O operation or handware errors.

a. enstablishus astalatus, a (b) Interrupts and traps differ in their origin and bay hardware or other processes) but traps are initiated by Internally by Jan Jeros of a user request or unusual conditions

(C) Yes, traps can be generated intentionally by a ouser pologram. (d) Intentional traps one used for energy handling,
tone debugging , to invoke system sequices or so 2. (a) The CPU establishes a memory buffer for data! (d)
the transfer with the I/O device, shaping the buffer's
paddoless and Inausper size. (b) Upon completing the data stransfer, the 3/0 device Interpoupts the CPU 100 lovemen 100 Jamper

ail nos parte mostages estados (c) DMA transfers can interfere with execution of uses paragram as it requires the paragram to be blocked until the transfer of data is complete. As both the I/o device and cpu use the same memory birs, it can direct inference with cpu memory access may occur. strillesting philonon