g = 2 -

(a) (5) Write all required setup code such that all of the pins are inputs. Do not assume any bits have known values at power-on.

GPTOP; write (CILSTAT, OXOZ), // O winput post by setting pind high
-GPZOP; write (DIR, OXOO); // O winput

7

volatile vist 1+ 1=0; (15) Let there be an empty array of 10 1-byte values declared as uint8\_t the interface and then puts them into sequential slots in the array. stuff[10]. Write a polling loop that waits for individual bytes to arrive on

return of Eint8\_+ flaybal= GPIDPINRCUA (CTLSTAT, GPIO\_PINES); //CIRKS ifin while (0x04 != flaybal)

E flagual = GPIDPINRCUA (CTLSTAT, GPIO-PIN-3) //op until something is 

E flagual = GPIDPINRCUA (CTLSTAT, GPIO-PIN-3) //op until something is while (1 < 10) Stuff[i] = GPIOPINRead (DATA, OXIIIIIII)); 11 show incoming bythe in array itti //increment consy storege locutton

(c) (15) Write a complete ISR to replace your polling loop. Do not worry about write the complete ISR. any additional initializations or any interrupt enables (global or specific). Only

{ Stuffli] = GPIORINDeud(DATA, OX IIIIIIII); //Stone incoming byte in array vold Inf GPID (void) GRIOPINWATE (INTICTL, OXOI); // clear interraph Flug

(3)