Assignment - 6

1. int no =11; in+ * P = 4no; int *9 = ano; 9 100 int ** a = 4 p 308 200 "no is an variable name & contains value 200 1 208 11 of type integern. P is a pointer of 8 byte ** Le can fach int range data 200
now P holds address of no. . 9 is a pointer of 8 byte

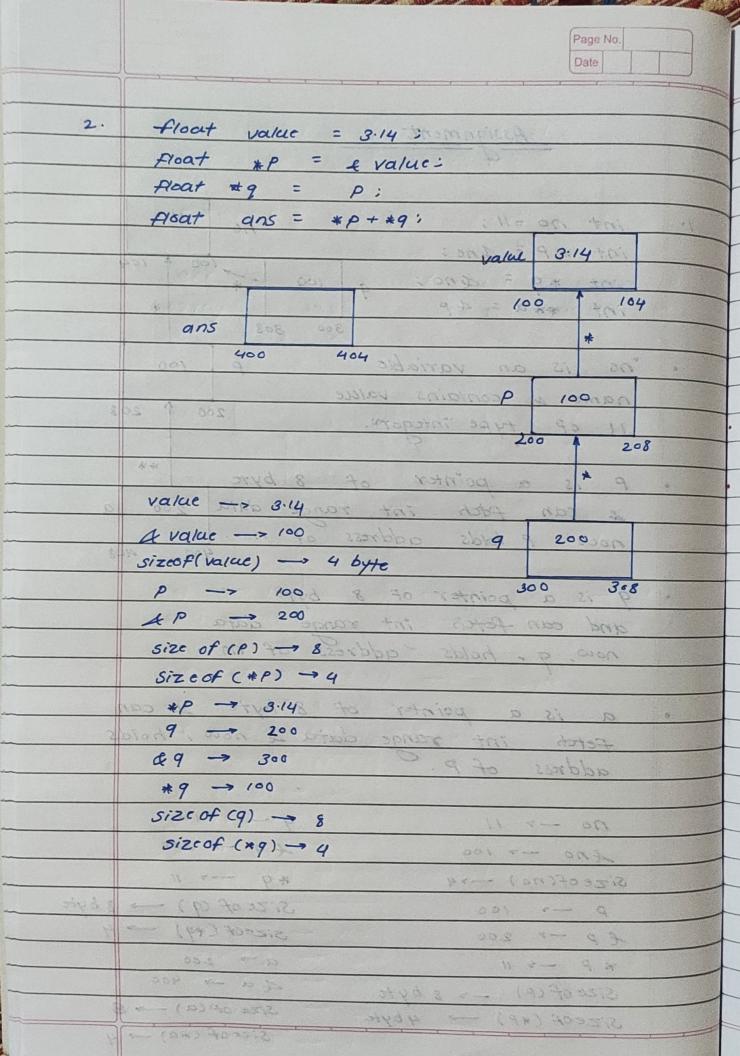
and can fetch int range data now, q - holds address of no.

a is a pointer of 8 byte 4 can fetch int range data & now, holds address of P.

820 C (40) -36

5 9-7 100 no -> 11 Ano -> 100 A 9 -> 300 *9 -> 11 Size of (no) -74 Size of (9) - 8 byte P -7 100 ep -> 200 5izeof (pg) -> 4 a > 200 * P -> 11 4a - 400 Size of (P) -> 8 byte Size of(a) - 8 Size of (4P) -> 4 byte

size of (*a) - 4



3. int arr [] = \(\frac{1}{0}, \frac{20}{30}, \frac{46}{9} \)
int \(*P = \arr \);
int \(*9 = \arr *1 - \arr \)
int \(\arr \) \(\arr \)

elements. which contains 10,20,30,40

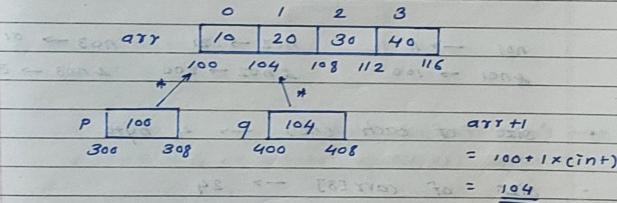
Size of arr is 4 * size of (int) = 16

P is a pointer which hold address of arr
i.e arr (first base address)

we can say *p = L(arr[0]);

*9 is a pointer which increment arr by

1 block.



: *9 - *P DOD - BYTTS J

= 20-10 500 50

Six of Control Coll - 12

= (disconnected for to 183 cap a

907 -- [97 tip

100 to 100 to

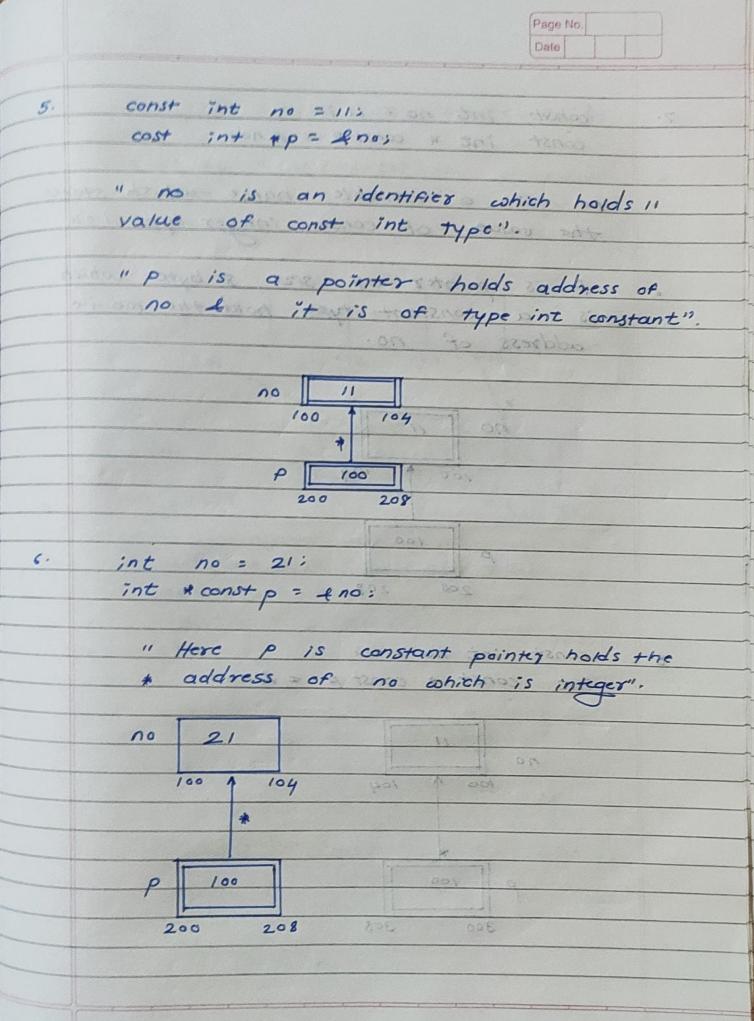
13 am 15 440 *

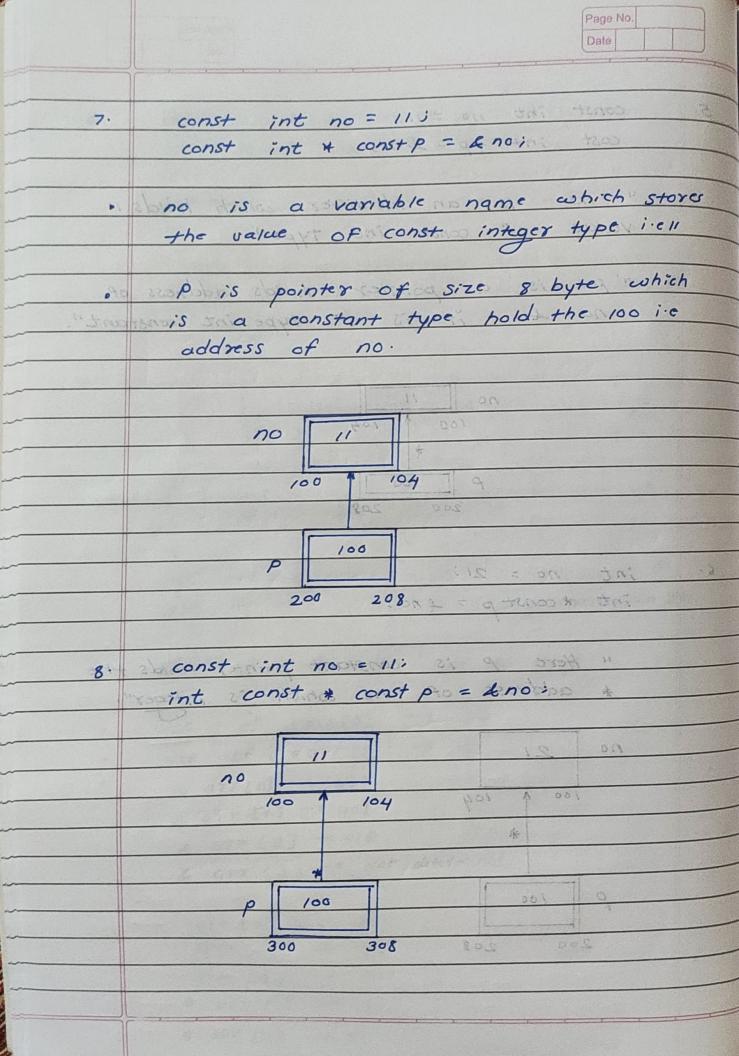
int no1 = 11 , no2 = 21 , no3 = 51; 4. 11 short hand declaration 11+110 = bx 400 int * arr [] = { & no1 , 4 no2 , 4 no3}; "arr is a pointer and it is a 1D array cohich holds the address of 3 integer elements" 204 300 1 o T 200 300 408 424 416 101 -711 8 noz - 21 1003 -> 51 4001 - 100 SH 804 & no2 -> 200 & no3 -> 300 size of each (no) - 4 byte 9 (401 KI +000 gize of carr[3] -> 24 Size of (+ arr [3]) -> 12 a arr [0] → 400 9* - P\$ & arr [1] -7 408 A arr [2] - 416 & arr [3] - Not determined

* $arr [2] \rightarrow 21$ * $arr [2] \rightarrow 51$

arr [1] - 200

arr [2] -> 300



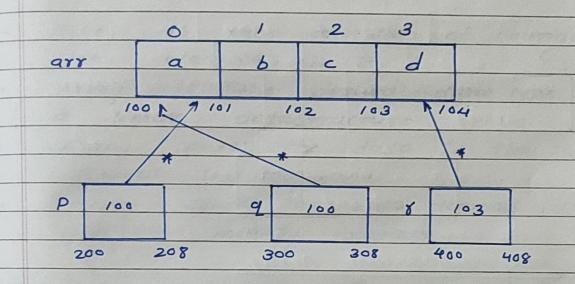


g. char arr [] = \(\xi \) 'a', 'b', 'c', 'd'\(\xi \);

char *p = arr;

char *q = \(\xi \) (arr[0]);

char *r = \(\xi \) [arr[3]);



10. double arr [] = { 12.3, 1.23.12.83; double * p = arr; char * q = 4 (arr [3]); char * r = 4 (arr [3]);

