Test on Revision part of C and DMA

* Required

Questions

Write a programming stmt to allocate memory for 5 Sample variables dynamically. *

```
typedef struct
{
        int a;
        char b;
        float c;
}Sample;
```

Your answer

Which function is used to delete the allocated memory space? *

Write signature of function

Your answer

```
30
15	20	25	31
31	25	20	15
```

Dynamic memory allocation takes place from which segment of main memory?
*

Your answer

Predict the output and justify the answer *

```
int main()
{
            int arr[] = {0,1,2,3,4};
            int i;

            int *ptr;
            for(ptr = arr+4,i=0; i <= 4; i++)
                        printf("%d",ptr[-i]);

            return 0;
}
```

Your answer

What is the return type of malloc() or calloc()? *

Your answer

Which header file should be included to use the memory allocation functions like malloc(), calloc(), realloc() and free()? *

Your answer

WAP to create a n students dynamically for SE Comps B class, and check whether a student entered in google meet is authorized or not. Note: Program should be syntactically and semantically correct. *

```
typedef struct
{
        int rollno;
        char password[20];

}Student;
```

⬆ Add file

Write output and justification. *

```
#include<stdio.h>
#include<stdlib.h>
int main()
{
        double *p;

        p = (double *)malloc(40);
        printf("%d\n", sizeof(p));
        free(p);

        return 0;
}
```

Your answer

Write equivalent statement using malloc for ptr = calloc(m, n) , note m: no of elements & n: sizeof each element *

Your answer

A copy of your responses will be emailed to the address you provided.

Page 2 of 2

Back

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