Intern ID:

- Subjective answer should be brief and to the point.
- Maintain proper coding standards and indentation.
- Do not write anything on the question papers. Each question has 5 marks
- Explain each concept with example. Concept without example will not be given marks.

```
Theory
Q-1: Explain Following:
                                                                                                                             15 M
          Null Pointer,
                             Generic Pointer,
                                                          Difference between malloc & calloc,?
Q-2: WAP to add two 1-D array of float elements & print result (Guide: Use malloc & array_size 5 elements)
                                                                                                                             15 M
Q-2: What is Static Storage Class in C? Explain Features with example of program & Memory Segments.
                                                                                                                             10 M
Objective
                                                                                      int i ;
         main()
                                                                                      main()
         {
                                                                                      {
              auto int i = 10;
                                                                                          int i:
             register int j = 20;
                                                                                          for (;;)
             printf ( "main's i and j are %d %d\n", i, j);
             change():
                                                                                              if ( j = function ( i ) )
             printf ( "main's i and j are %d %d\n", i, j);
                                                                                                  printf ("j = %d\n", j);
        }
         change()
         {
             auto int i = 100;
                                                                                      function (x)
             register int j = 200;
             printf ( "change's i and j are %d %d\n", i, j);
        }
                                                                                      int x;
         int i = 10, j = 20, k = 30;
                                                                                           static int v = 2;
         main()
                                                                                           V--;
         {
                                                                                           return (v-x);
             int i = 1, j = 2, k = 3;
             printf ( "i = %d j = %d k = %d\n", i, j, k);
             val();
        }
        val()
                                                                                     main()
             printf ( "i = %dj = %dk = %d", i, j, k);
                                                                                          auto int i = 100;
        }
                                                                                          printf ( "i = %d\n", i);
       int num ;
                                                                                               int i = 1 ;
        main()
                                                                                               printf ( "i = %d\n", i);
                                                                                                   i += 1:
             for (i = 1; i <= 3; i++)
                                                                                                    printf ( "i = %d\n", i);
                  j = increment();
                                                                                               printf ( "i = %d\n", i ) ;
                  printf ( "j = %d\n", j);
                                                                                          printf ( "i = %d\n", i );
                                                                                     }
```