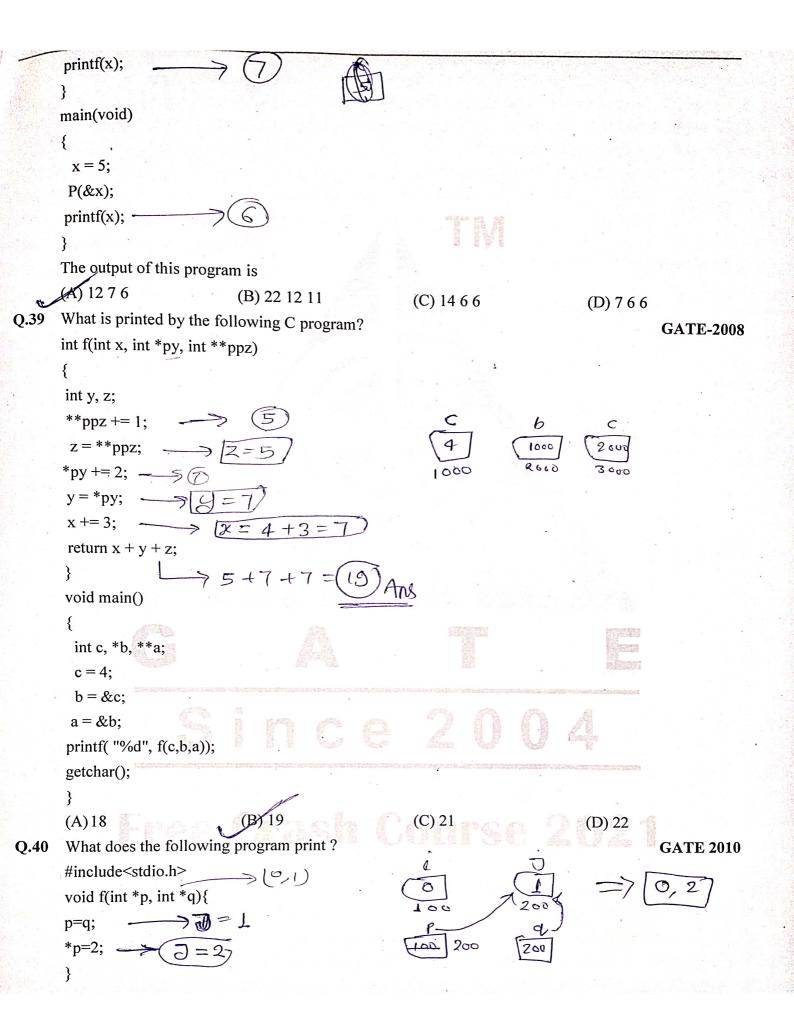
```
#include<stdio.h>
 0.35
        int fun1()
        {
       printf("GATE ACADEMY");
       return 0;
       }
       int fun2()
       printf("Pankaj");
       return 0;
       }
       int main()
       int (*p[2])();
       p[0] = fun1;
       p[1] = fun2;
       p[1]();
       return 0;
       }
     (A)Pankaj
                                                         (B) GATE ACADEMY
                                                         (D) pankajGATEACADEMY
       (C) Compilation Error
      #include<stdio.h>
Q.36
                                                                                            GATE 2018
      void fun1(char *s1, char *s2) {
       char *tmp;
      tmp = s1;
      s1 = s2;
      s2 = tmp;
      void fun2(char **s2, char **s2) {
      char *tmp;
     tmp = *s1;
     *_{S1} = *_{S2};
     *s2 = tmp;
     int main () {
```

```
char *str1 = "Hi", *str2 = "Bye";
      fun1(str1, str2); printf("%s %s", str1, str2); -
                                                                                                 by Value
                                                               Hi Bye
      fun2(&str1, &str2); printf("%s %s", str1, str2); -
                                                              Bye Hi
      return 0;
      }
      The output of the program above is
      (A) Hi Bye Bye Hi
                                                        (B) Hi Bye Hi Bye
      (C) Bye Hi Hi Bye
                                                        (D) Bye Hi Bye Hi
      Consider the following function implemented in C:
Q.37
                                                                                           GATE -2017
      void printxy (int x, int y) {
       int *ptr;
       x = 0;
       ptr = &x;
       y = *ptr;
       *ptr = 1;
       printf("%d,%d",x,y);
       The output of invoking printxy(1, 1) is
       (A)0,0
                                (B) 0, 1
                                                                                (D) 1, 1
                                                                                GATE CS-2003
       #include <stdio.h>
Q.38
       #define print(x) printf("%d", x)
        int x;
        void Q(int z)
                          72=7+5=19
       printf(z);
        void P(int *y)
       {
         int x = *y + 2;
        Q(x);
        *y = x - 1;
```



```
int i=0,j=1; Global
          int main(){
          f(&i,&j);
          printf("%d %d\n",i,j);
         return 0;
         }
         (A)22
                                   (B) 2 1
                                                              (C)01
         Consider the following recursive C function that takes two arguments unsigned int foo(unsigned int n,
  0.41
         unsigned int r) {
        if (n > 0) return (n\%r + foo (n/r, r));
         else return 0;
         }.
        What is the return value of the function foo when it is called as foo(345, 10)?
        (A)345
                                                            (C)5
                                                                                      (D)3
                                                                                                 GATE -2011
 Q.42 Find the output of the following code:
        #include<stdio.h>
        void Fun(int);
        int main()
        { .
       Fun(3);
                                                                      F(1)
       return 0;
       }
       void Fun(int n){
       if(n>0){
       printf("%d",n);
       Fun(n-1);
       printf("%d",n);
      }
          }
                                (B) 321321
       (A) 332211
                                                                                   (D) None of these
      Find the output of the following code:
Q.43
      #include<stdio.h>
      void Fun(int);
      int main()
      Fun(3);
```

