MODEL PRACTICAL EXAM

1) MULTIPLICATION TABLE

2)STRONG NUMBER

```
globals)
        Untitled1 strong number.cpp
         5 🗖 {
6
7
8
9
                   int i, number, temp, reminder;
long sum = 0, factorial = 1;
                                                                                        Please Enter the Number to Check for Strong Number = 121
                   cout << "\nPlease Enter the Number to Check for Stron
                                                                                        The Factorial of 1 = 1
The Factorial of 2 = 2
The Factorial of 1 = 1
        10
11
12
                   cin >> number;
                   for(temp = number; temp > 0; temp = temp / 10 )
         13 🖨
        14
15
16
17
18 =
                        factorial = 1;
reminder = temp % 10;
                                                                                        121 is Not a Strong Number
                                                                                       Process exited after 33.41 seconds with return value 0 Press any key to continue . . .
                         for (i = 1; i <= reminder; i++)
                           factorial = factorial * i;
        19
20
21
22
23
                         cout << "\nThe Factorial of "<< reminder << " = "
                        sum = sum + factorial;
         24
                    cout << "\n\nThe Sum of the Factorials of " << number
        25
26
27 🗗
                        cout << number << " is a Strong Number";</pre>
```

3)PATTERN

4)GCD

```
(globals)
                                                           © C:\Users\91939\OneDrive\Doc × + ∨
ject Classes Debug Untitled1 strong number.cpp bank account.cpp animal class.cpp
                1 #include <stdio.h>
2 int main()
                                                          Enter two integers: 12
                 3 □ {
                                                          G.C.D of 12 and 23 is 1
                4
5
6
7
8
9
                        int n1, n2, i, gcd;
                                                         Process exited after 26.97 seconds with return value 0
Press any key to continue . . .
                        printf("Enter two integers: ");
scanf("%d %d", &n1, &n2);
                        for(i=1; i <= n1 && i <= n2; ++i)</pre>
               11
12
13
14
15
                            if(n1%i==0 && n2%i==0)
                           gcd = i;
               16
17
                        printf("G.C.D of %d and %d is %d"
               18
19 }
                        return 0;
```

5)CLACULATE PAY OF EMPLOYEE

```
(globals)
Classes Debug Untitled1 strong number.cpp bank account.cpp animal class.cpp gcd of tw
                                                                                  © C:\Users\91939\OneDrive\Doc × + ~
                  1 #include<iostream>
2 using namespace std;
3 int main()
                                                                                 1.manager
2.engineer
enter the employee type1
enter the hourly income1234
workinmg hours23
the pay for manager28382
                           int choice=0,h,w,r,p,n;
                             cout<<"1.manager\n 2.engineer\n";
   cout<<"enter the employee type";</pre>
                                                                                 Process exited after 10.43 seconds with return value 0 Press any key to continue . . .
                            cin>>choice;
if(choice==1)
                 10
11 =
12
                                  cout << "enter the hourly income";
                 13
14
15
                                  cin>>h;
cout<<"workinmg hours";</pre>
                                  cin>>w;
                 16
17
18
                                  r=h*w;
cout<<"the pay for manager"<<r;
                       else
                 19
                 20 <del>|</del>
21
22
                             cout << "enter the hourly working pay of
                             cin>>p;
                 23
                 24
25
                             cin>>n;
npiler 🍓 Resources 🋍 Compile Log 🤣 Debug 🔼 Find Results и Close
                Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91939\OneDrive\Documents\
```

6) ANIMAL CLASS

```
(globals)
                  Untitled1 strong number.cpp | bank account.cpp | ani
                  16 <sub>17</sub> <sub>};</sub>
                                                         C:\Users\91939\OneDrive\Doc ×
                                                         lab dog!
                  18
                                                        4 kgs
home cat!!
                  20 □ class Dog : public Animal {
                  21
                  22
23 🛱
                                                       Process exited after 1.194 seconds with return value 0
Press any key to continue . . .
                           void bark() {
    cout << "home cat!!"
                  24
                  25 26 };
                  28 ☐ int main() {
                  30
                           Dog dog1;
                  32
                  33
34
35
                           dog1.breed();
dog1.weight();
                  36
37
                           dog1.bark();
                  38
                  39
                           return 0;
Compiler 🖷 Resources 🛍 Compile Log 🤣 Debug 🚨 Find Results 🖏 Clo
               Compilation results...
```

7)INTEGER ARRAY , DOUBLE ARRAY , CHARACTER ARRAY

```
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```

8) BANK ACCOUNT

```
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