Qno:3
Flowchart

```
                    ( Start )
                        |
                        v
          / Print "Enter user's age /
                        |
                        v
          /  Input "Age"  /
                        |
                        v
          / Print "Enter user's Gender /
                        |
                        v
          / Enter Input "Gen" /
                        |
                        v
          / Print "Enter Province /
                        |
                        v
          / Input "Prov" /
                        |
                        v
```

Is Province Sindh ──No──> Is Province Punjab ──No──> / Print Province is invalid /
                                                              |
                                                              v
                                                             (F)

Is Province Sindh ──Yes──> v

/ Print "Marriage is not legal / <── Is age ≥18

Is age ≥18 ──> (A)

Is Province Punjab ──> Is Gens male ──Yes──> Is Age ≥18 ──Yes──> (E)

Is Gens male ──> (C)

Is Age ≥18 ──No──> (D)

Print "Marriage is not legal ──> (B)

A → Print "You are eligible to marry"

C → Is Gen "female" — No → Print "Gen is not valid"
— Yes → Is Age ≥ 16 — No → Print "You are not eligible to marry" → D → Print "You are not eligible to marry"
— Yes → Print "You are eligible to marry" → END

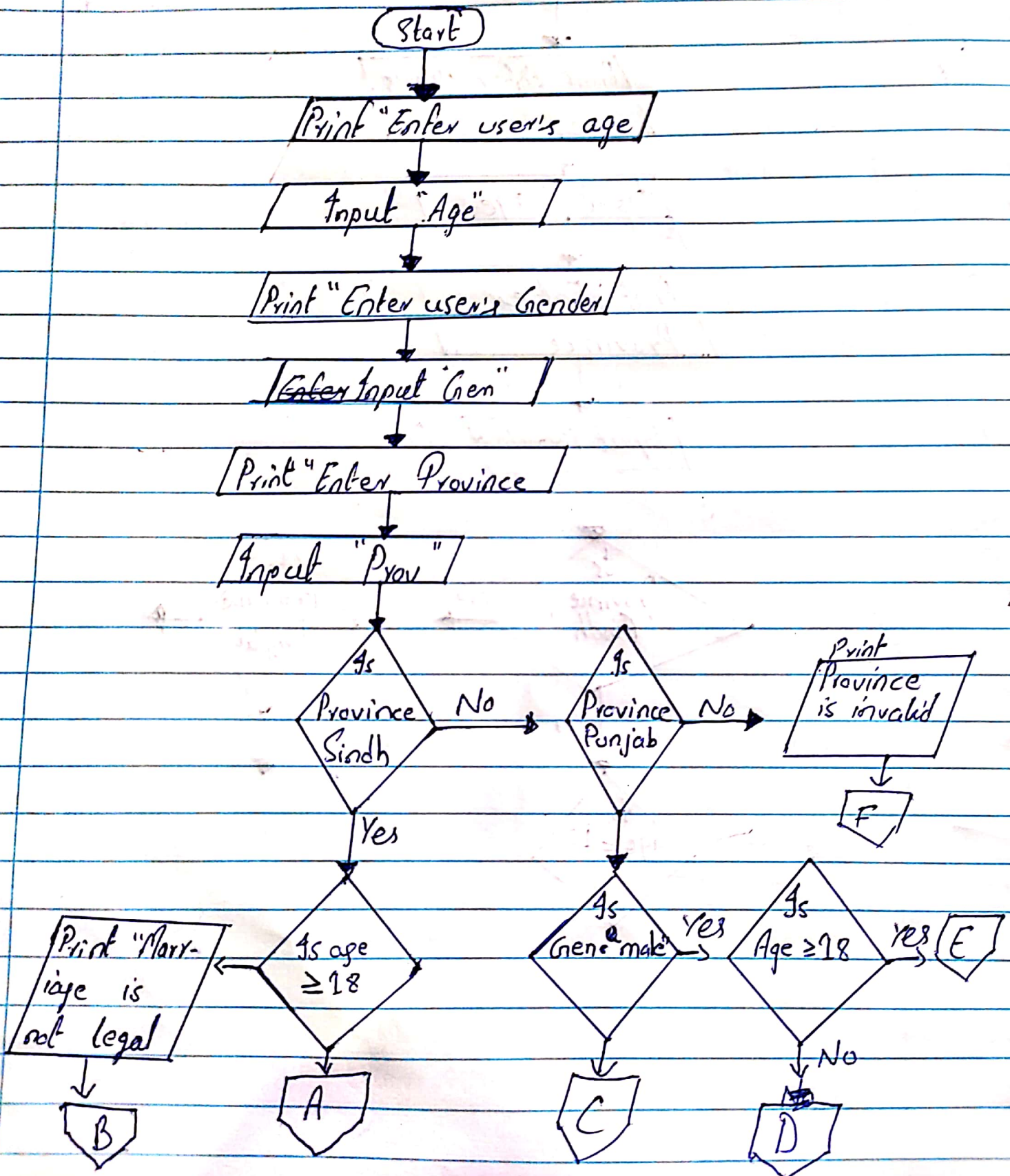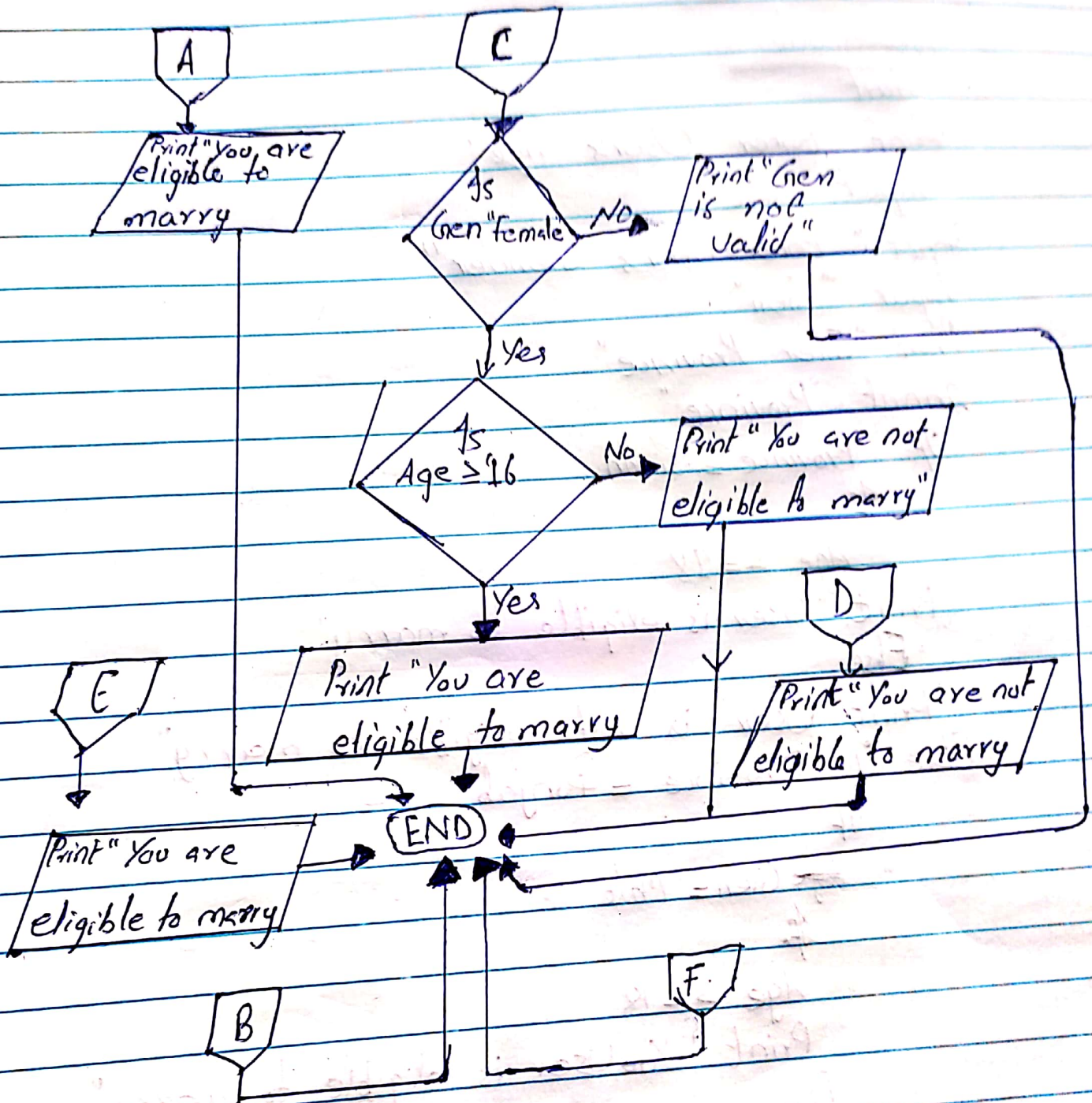E → Print "You are eligible to marry" → END

B

F

Pseudocode:

Start

 Print " Enter User's Age "

 Input " Age "

 Print " Enter User's Gender "

 Input " Gen "

 Print " Enter Province "

 Input " Province "

 If Province = Sindh.

  If Age >= 18

   Print " User is eligible to marry".

  Else

   Print " User is not eligible to marry"

 Else if, Province = Punjab

  If Gen = Male

   If Age >= 18

    Print " User is eligible to marry".

   Else

    Print " User is not eligible to marry".

  Else if,

   Gen = Female

   If, Age >= 16

    Print " User is eligible to marry"

Else
    Print "User is not Eligible to marry"

Else
    Print "Gender is not valid"

Else,
    Print "Province is not valid"
End.

Q no. 3

Input	Processing	Output
Input Province	Check if the Province is Sindh, or Punjab or any other	With respect to the information provided the program will display whether
Input Gender		
Input Age	Based on provinces, the age and gender will be asked.	the marriage is legal or not.
	And in conclusion the code will determine an output-	