Problem no: 5

Start

Corn, Wheat, Rice

S = Soil Moisture
R = Rained in
    last 24 hours

Wheat — No → Corn — No → Rice — No

Wheat → Yes
Corn → Yes
Rice → Yes

S > 30 — Yes →
S > 40 ← Yes
S > 35 ← Yes

S > 30 → No
S > 40 → No

R — Yes → Don't Initiate Irrigation
R — Yes →

R → No → A
Don't Initiate Irrigation → D
B
S > 35 → No
R → No → C

A   B   C   D

Initiate
Irrigation

End
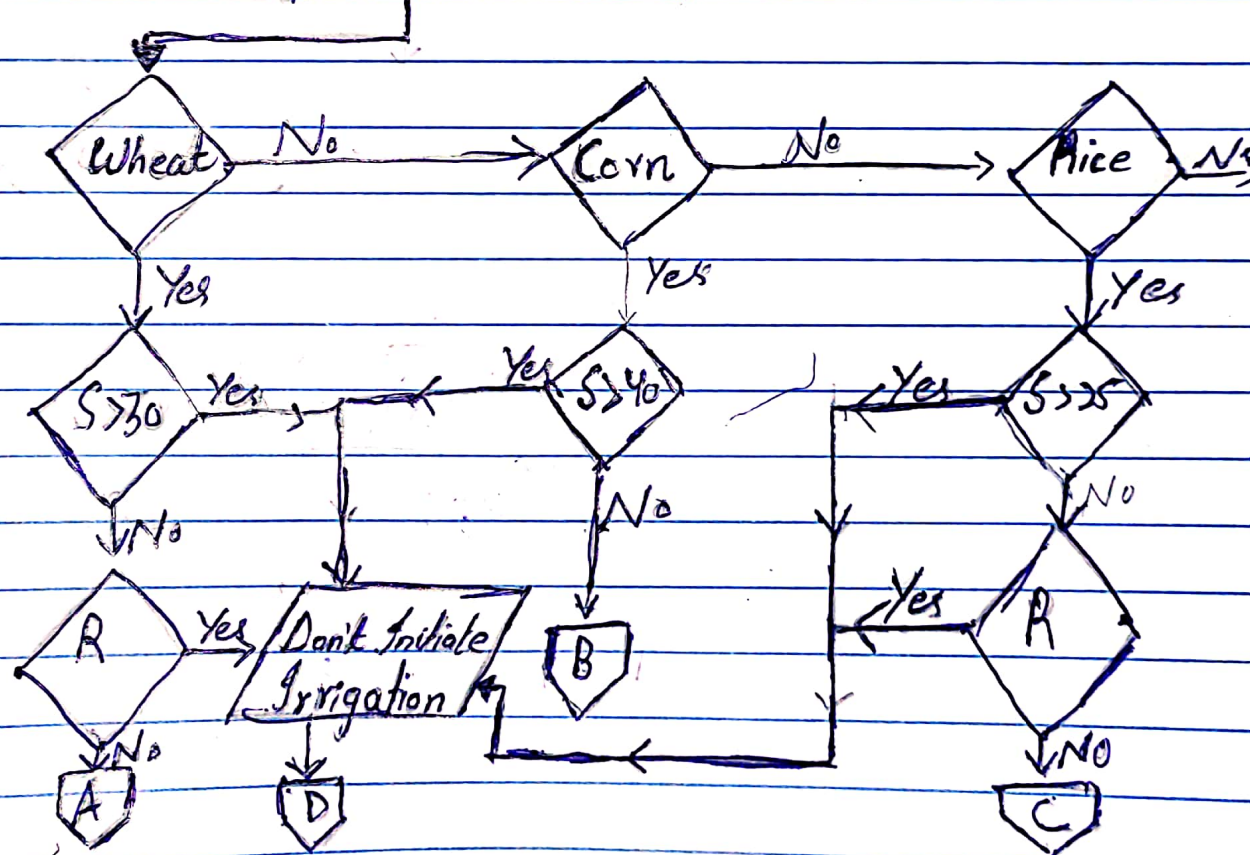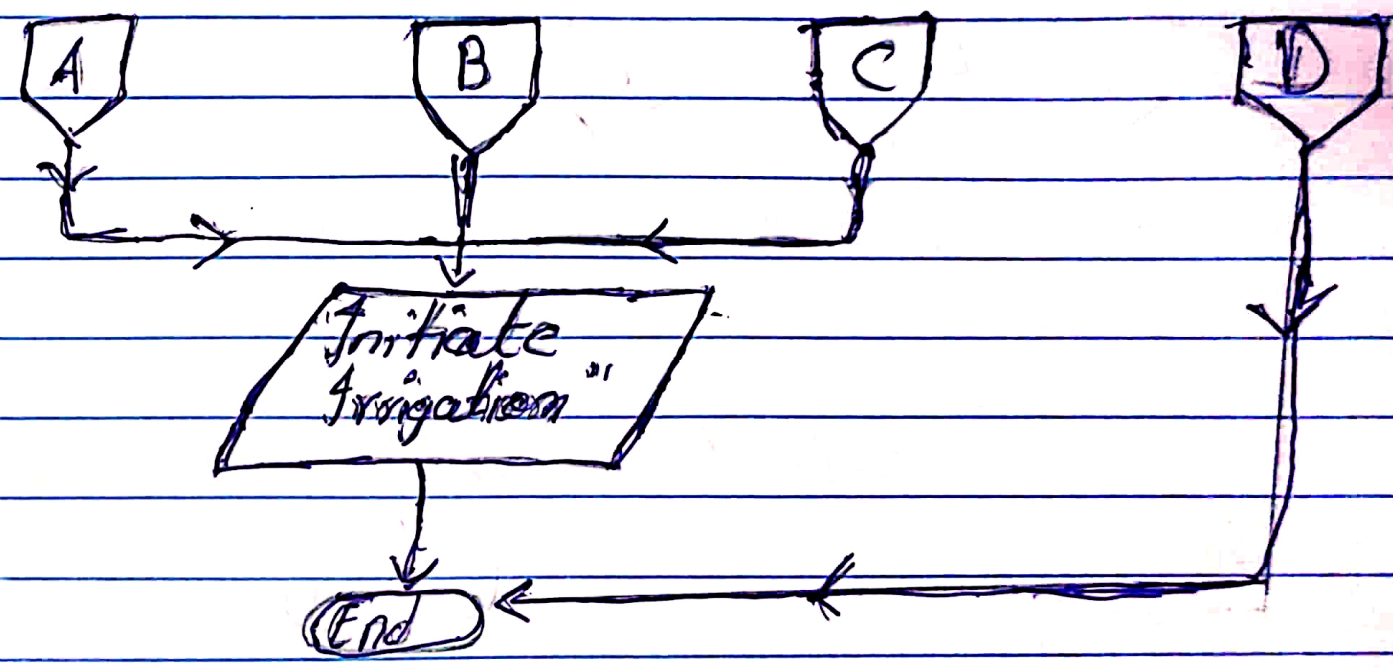
Pseudocode

Qno:5 Pseudocode

```
Start
    Print,
        "Enter type of Crop"
    Read,
        Wheat, Corn, Rice
    Print,
        "Soil Moisture of Crop"
    Read
        "S"
    Print,
        "If rained in last 24 hours" //Type TRUE OR FALSE
    Read
        "R" = TRUE /FALSE
    If,
        Wheat
    If,
        S > 30
    If,
```

```
            R = TRUE
            Print,
            "Don't Initiate Irrigation
        Else
            Print,
                "Initiate Irrigation"
    Else,
        Corn
            If
            S > 40
            Print,
                "Don't Initiate Irrigation"
        Else
            Print
                "Initiate Irrigation
    Else,
        Rice,
            If
            S > 25
            If,
                R = TRUE
            Print "Don't Initiate Irrigation"
        Else,
            Print
                "Initiate Irrigation"
End.
```

Q no: 5

Input	Processing	Output
The type of Crop Wheat, Rice, Corn The percentage of Soil Moisture	If the type of crops are among wheat, corn, Rice, it will check the respective conditions such as Soil	. Display whether is irria to start irrigation or not.
Yes or No if it has rained in last 24 hours.	moisture and if it has rained in last 24 hours and will display suitable outputs.	

Q no: 2

Input	Processing