write algorithm for student management system.

Step 1 : Start

Step 2 : s_id, s_name, age, phno, address ;

Step 3 : declare all student variable.

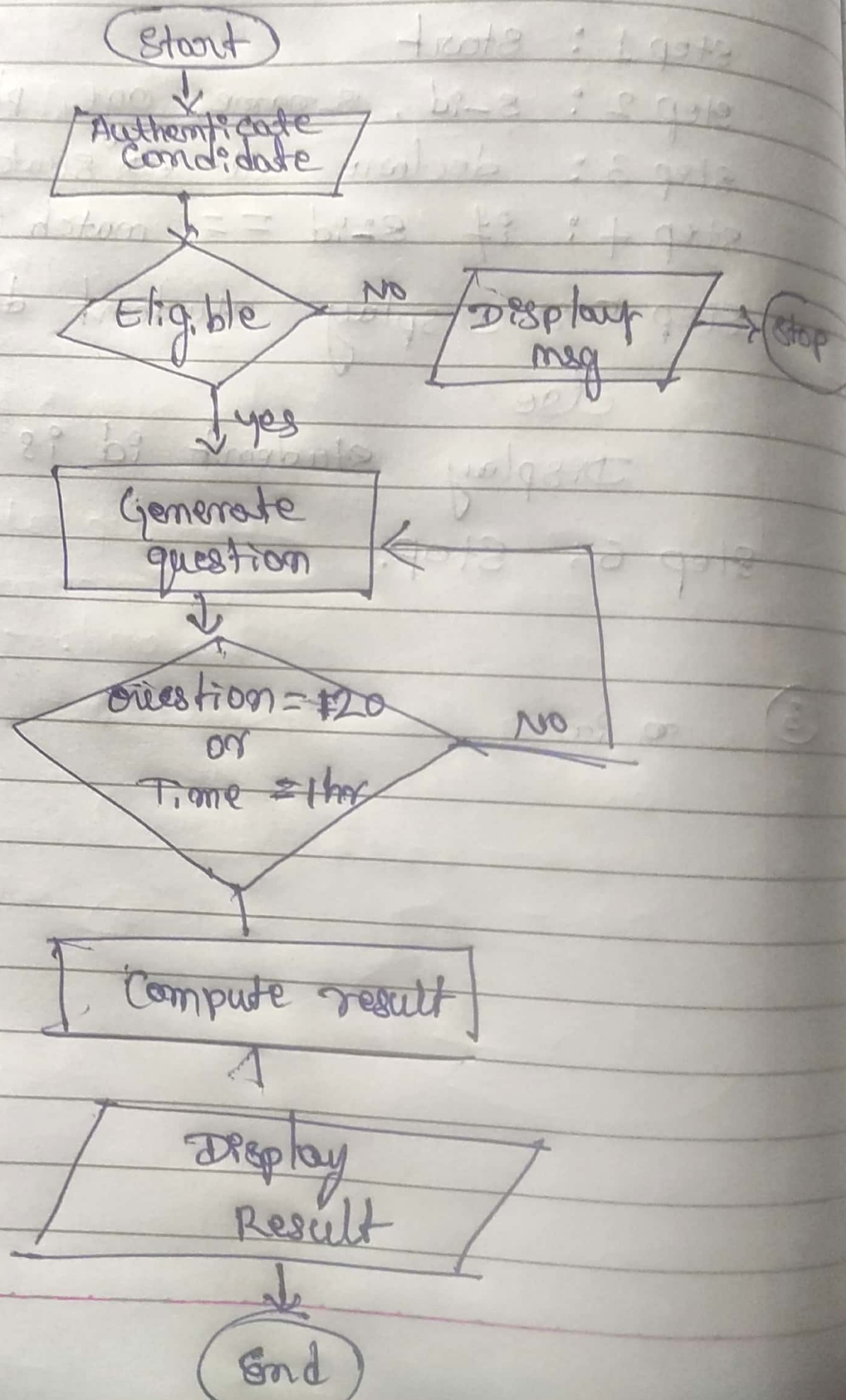Step 4 : if s_id == match (database)

Step 5 : Display student details.

 else

 Display student id is not present.

Step 6 : Stop.

② write a flowchart for exam system

```
                    ( Start )
                       ↓
              ┌─────────────────┐
              │  Authenticate   │
              │   candidate     │
              └─────────────────┘
                       ↑
                       │
                    ╱─────╲           No        ┌──────────┐
                  ╱ Eligible ╲ ──────────────→ ╱ Display  ╱ ──→ ( stop )
                   ╲         ╱                  ╱  msg    ╱
                    ╲─────╱                    └──────────┘
                       ↓ yes
              ┌─────────────────┐
              │   Generate      │ ←─────────────┐
              │   question      │               │
              └─────────────────┘               │
                       ↓                         │
                    ╱───────────╲                │
                  ╱ Question = #20 ╲    No        │
                 ╱      or          ╲ ────────────┘
                  ╲  Time = 1hr     ╱
                    ╲─────────────╱
                       ↓
              ┌─────────────────┐
              │ Compute result  │
              └─────────────────┘
                       ↑
              ╱─────────────────╱
             ╱   Display       ╱
            ╱    Result       ╱
              ────────────────
                       ↓
                   ( End )
```

3. W a pseudo code for reverse the number using while loop.

input = n

Step 1 : procedure reverse (n).
Step 2 :   reverse
Step 3 :   Repeat until n! = 0
Step 4 :   reverse = reverse * 10 + (n mod 10)
Step 5 :   n = n/10
Step 6 :   Return reverse.
Step 7 :   end