```
#include <Servo.h>

// Define pin numbers
const int buzzer = 8;         // Positive pin of the buzzer
const int smokeA0 = A5;       // Analog pin connected to MQ5 sensor
const int relayPin = 7;       // Pin connected to relay module to control gas supply
const int fanControlPin = 10;  // Pin connected to MOSFET to control fan
const int safeLevel = 135;
const int servoPin = 9;       // Pin connected to servo motor

Servo servoMotor;

void setup() {
  // Initialize pin modes
  pinMode(buzzer, OUTPUT);
  pinMode(relayPin, OUTPUT);
  pinMode(fanControlPin, OUTPUT);
  pinMode(smokeA0, INPUT);
  servoMotor.attach(servoPin);

  // Start serial communication
  Serial.begin(9600);
  Serial.println("Setup complete.");
}
```

```
void loop() {
  // Read sensor value
  int currentVal = analogRead(smokeA0);
  Serial.print("Pin A5: ");
  Serial.println(currentVal);

  // Check if smoke level exceeds safe level
  if (currentVal > safeLevel) {
    // Smoke detected, perform all functions
    digitalWrite(buzzer, HIGH);       // Turn on buzzer
    digitalWrite(relayPin, LOW);      // Cut off gas supply
    digitalWrite(fanControlPin, HIGH); // Switch on fan
    servoMotor.write(0);              // Rotate servo motor to shut off position
    Serial.println("Smoke detected. All functions activated.");
  } else {
    // No smoke detected, do nothing
    digitalWrite(buzzer, LOW);        // Turn off buzzer
    digitalWrite(relayPin, HIGH);     // Allow gas supply
    digitalWrite(fanControlPin, LOW);  // Turn off fan
    delay(500);                       // Delay before opening servo motor
    servoMotor.write(120);            // Rotate servo motor to open position
    Serial.println("No smoke detected. All functions deactivated.");
  }
  delay(1000); // Delay for stability
}
```