Python If-Else Advanced – Solved Questions

1. Hospital Emergency Room Triage

```python
temp = float(input("Enter temperature: "))
pain = input("Pain level: ")
if temp > 102 or pain == "severe":
print("High Priority")
elif 99 <= temp <= 102 or pain == "moderate":
print("Medium Priority")
else:
print("Low Priority")
```

2. Shopping Cart Free Delivery

```python
cart = float(input("Cart value: "))
member = input("Membership: ")
if cart > 2000 or (1000 <= cart <= 2000 and member == "yes"):
print("Free Delivery")
else:
print("Delivery Fee ■100")
```

3. Library Fine System

```python
days = int(input("Overdue days: "))
if days <= 5:
fine = days * 2
elif days <= 10:
fine = days * 5
else:
fine = days * 10
print("Fine:", fine)
```

4. Airport Luggage Check

```python
cls = input("Class: ")
weight = float(input("Weight: "))
if cls == "economy":
limit, rate = 20, 200
elif cls == "business":
limit, rate = 30, 150
else:
limit, rate = 40, 100
if weight > limit:
print("Fee:", (weight-limit)*rate)
else:
print("No extra charge")
```

5. Hotel Room Pricing

```python
price = float(input("Price: "))
customer = input("Customer type: ")
room = input("Room type: ")
if customer == "regular":
discount = 0.10
elif customer == "member":
discount = 0.20 if room == "deluxe" else 0.15
else:
discount = 0.30
print("Final Price:", price - price*discount)
```

6. Energy Consumption Billing

```python
units = int(input("Units: "))
if units <= 100:
bill = units * 5
elif units <= 300:
bill = 100*5 + (units-100)*10
else:
bill = 100*5 + 200*10 + (units-300)*15
print("Bill:", bill)
```

7. Ride Fare Calculation

```python
time = input("Time: ")
distance = float(input("Distance: "))
rate = 15 if time == "day" else 20
fare = distance * rate
if distance > 20:
fare *= 0.9
print("Fare:", fare)
```

8. Event Entry Rules

```python
age = int(input("Age: "))
student = input("Student ID: ")
price = 100
if age < 12 or age > 60:
print("Free Entry")
elif 12 <= age <= 25 and student == "yes":
print("Fee:", price*0.5)
else:
print("Fee:", price)
```

9. Parking Lot Charges

```python
vehicle = input("Vehicle: ")
hours = int(input("Hours: "))
```

```python
if vehicle == "car":
fee = 50 if hours == 1 else 50 + (hours-1)*20
else:
fee = 20 if hours == 1 else 20 + (hours-1)*10
print("Parking Fee:", fee)
```

10. Real Estate Loan Eligibility

```python
income = int(input("Income: "))
loan = input("Existing loan: ")
if income > 100000 and loan == "no":
print("LTV 90%")
elif income >= 50000 or loan == "yes":
print("LTV 70%")
else:
print("LTV 50%")
```