EXPERIMENT – 20

PROGRAM:

```python
print("Enter month number:")
month = int(input())


print("Enter trend (up/stable/down):")
trend = input()


print("Enter season (holiday/normal/low):")
season = input()


base_sales = 1000
monthly_growth = month * 50


trend_factors = {'up': 200, 'stable': 0, 'down': -100}
season_factors = {'holiday': 300, 'normal': 0, 'low': -150}


trend_factor = trend_factors.get(trend, 0)
season_factor = season_factors.get(season, 0)


sales = base_sales + monthly_growth + trend_factor + season_factor
sales = max(sales, 0)


print("Predicted sales:", sales)
```