**Part 1**

1. **Joint probability of people who planned to purchase (Yes) and actually placed an order (Yes):**

In this case, we need to look at the cell where "Planned to purchase - Yes" intersects with "Actually placed an order - Yes." The value in this cell is 400.

Joint probability = Number of people who planned to purchase and placed an order (Yes) / Total number of people = 400 / 2000 = 0.2, or 20%

1. **Joint probability of people who planned to purchase (Yes) and actually placed an order (Yes), given that people planned to purchase:**

In this case, we need to find the conditional probability of people who planned to purchase (Yes) and actually placed an order (Yes) given that they planned to purchase.

Conditional probability = Number of people who planned to purchase and placed an order (Yes) / Number of people who planned to purchase (Yes) = 400 / 500 = 0.8

So, the answers are:

i) Joint probability of people who planned to purchase and actually placed an order = 0.2 (or approximately 20%)

ii) Joint probability of people who planned to purchase and actually placed an order, given that people planned to purchase = 0.8 (or 80%)