5.2 Continued

example three question multiple choice quiz. one of the students is completely unprepared
and will be guessing the correct answer. each question has 5 options. when guessing, the
response on one questions will not influence responses on any other question.

1. A = correctly guessing the answer. find $P\{A\}$.

2. can we assume independence?

3. find the probabilities of the possible outcomes.

4. find the probability the student passes, answering at least two correctly.

5. find the probability of acing the quiz.