

EXAM OF STATISTICS (PROBABILITY AND RANDOM VARIABLES)

2nd Physiotherapy**Version A****June, 24 2022**

Name:

DNI:

Group:

Duration: 1 hour.

- (2 pts.) 1. Respiratory allergies affect 1 out of every 15 individuals in a population, while food intolerances affect 5% of individuals. Assuming that the two problems are independent,
- (a) Compute the probability of having at least one of the problems.
 - (b) Compute the probability of having an allergy but not an intolerance.
 - (c) Compute the probability of having neither of the two problems.
 - (d) Compute the probability of having an allergy if you have an intolerance.