Questions

1) 5 bins per dimension as less rows in Q table as in compare of 10 bins per dimension. Thus, 1k episode seems quite less for updation of 10 bins Q table. Therefore such result is obtained.

2) For 10k episodes 10 bins per dimension has enough episodes to update such large Q table. Thus, since it is a better representation of reality it has more reward overall.

3) Discretization is good way of understanding real environment but it is necessary to provide enough episodes for large bins.

4) 5000 bin will create a vey large Q table with 5000^4 rows which require very large no. of episode.(which is impractical)