

Marks

Question 27 (8 marks)

Evaluate the contributions made by both Louis Pasteur and Robert Koch to our present understanding of the causes and possible prevention of infectious diseases.

8

Louise Paster Discovered that if you heat a substance in his case wine to over 55°C than you kill the microbes, bacteria inside. This became known a Pasturisation. He discovered that injecting a weakened strain of a disease made ~~it impossible~~ a person immune to the full strength pathogen. (Innoculation) Discovered that bacteria grow from eggs and need moisture and heat, Destroyed (Spontaneous generation)

Robert Koch Discovered that if ^{they} you spread a disinfectant around an operating area than the chances of the patient getting an infection would decrease. He discovered Sterilisation. He discovered that microbes were the cause of diseases, and that by exposure to a weaker strain of a virus • in his case cow pox would leave a person immune to more powerful viruses ie small pox.

Pasture discovered that it was the bacterias wastes that produced the toxins that were harmful to humans.