

Answer FOUR questions. All questions carry equal weighting.

1. Describe the diseases caused by anaerobic bacteria.
2. Describe the most important features to be considered when designing a clinical trial. What statistical errors can occur if the design is not sufficiently robust?
3. Discuss the relative merits of tests available for the diagnosis of chlamydial infection from urogenital specimens.
4. Describe scenarios leading to chronic inflammation of the gut, giving plausible causes and consequences? Diagrams are welcome.
5. Describe the molecules and cells involved in the recognition of antigen.
6. Describe the immune and non-immune molecules and cells brought into play during acute inflammation.
7. Describe the main ways that bacteria cause disease and give an example for each one.
8. You have been asked to investigate adherence of organism X to the surface of mucosa. Describe how you would approach the problem and give a description of the experimental procedures you would use.

END OF PAPER