Case Scenario 1

1. A 70-year-old otherwise healthy male presented with a history of fever and difficulty in breathing of 3 days duration. Based on the clinical examination and chest radiograph findings, **bacterial pneumonia** was diagnosed.

   1.1 Discuss factors you would consider when selecting the appropriate
   antibiotics for this patient.

   1.2 Based on the factors you have described, what antibiotics would you choose to treat this patient.

Case Scenario 2

1. A 42-year-old otherwise healthy farmer was admitted to a surgical ward with a history of rapidly spreading redness and swelling of the left leg following a minor scratch injury. A clinical diagnosis of **cellulitis** was made. Describe giving reasons what antibiotics would you choose to treat this patient.

Case Scenario 3

Case A

A 27-year-old pregnant female with a POA of 10 weeks presented to the OPD with a history of left loin pain, fever and chills for 3 days duration. There was left loin tenderness on examination and **pyelonephritis** was diagnosed clinically. Describe giving reasons what antibiotics would you choose to treat this patient.

Case B

A 8- year old child presented with 2 day history of headache, lethargy and vomiting. On examination the child was febrile and had neck stiffness. CSF findings were suggestive of **bacterial meningitis.** Describe giving reasons what antibiotics would you choose to treat this patient.