

5. What is the nature of the contact between the Ordovician limestone, which host the saddle reef deposits, and the overlying Cretaceous sandstone?

(5 marks)

6. The mineralisation is Jurassic in age (i.e. it predates the deposition of the Cretaceous sandstone above). Use the stereonet to calculate what the original orientation of the ore deposit would have been before tilting of the Cretaceous sandstone.

(20 marks)

**Total: 100 marks**

**This practical test is worth 35% of the semester mark**

**Hand in both your answers and your stereographic projection of the fold.**