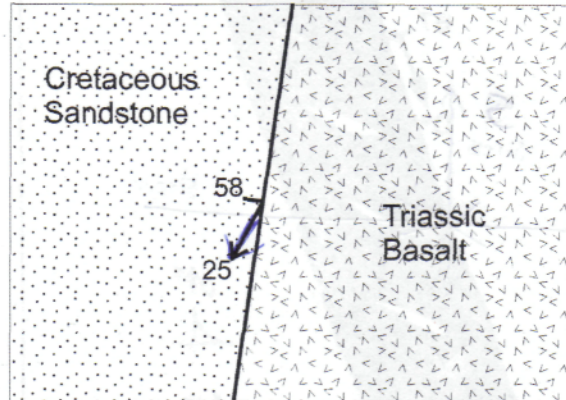


### Part B: Short Answers.

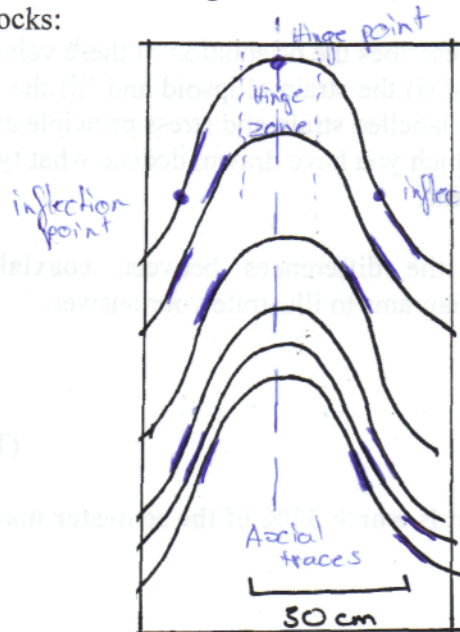
**Question 4:** Examine the following map of Cretaceous and Triassic-aged strata separated by a fault. The dip of the fault plane and trend and plunge of slickenside lineations are also indicated. What type of fault is illustrated? What components of dip- and strike-slip are present? Note that the Triassic is older than the Cretaceous.



(10 marks)



**Question 5.** Examine the following field sketch, which shows a younging-upwards sequence of folded rocks:



// - isogons

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**5a.** Draw on the diagram the location of the following geometrical properties: Hinge points. Hinge zones. Inflection points. Axial traces.

**5b.** Draw on at least 10 dip isogons. According to the dip isogon classification, what type of fold is this?

**5c.** Give a descriptive name to the fold. Your name should consider the following properties: Fold Shape, Fold tightness and Fold symmetry. (10 marks)