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M.Sc. Engineering Geology
Kirtipur, Kathmandu

Structural Geology Practical

Date

Map 1



On the given map, contacts between various horizontal beds were recorded as follows. At **A** the contact between the limestone bed (overlying) and shale bed (underlying) was observed, whereas at **B** the contact between the shale bed (overlying) and sandstone bed (underlying) was recorded. Similarly at **C** the contact between the sandstone bed (overlying) and conglomerate bed (underlying) was seen.

1. The gentle slopes and flat areas in the valley are occupied by Quaternary deposits. Show them in yellow colour.
2. Extend the contacts of various beds all along the given map.
3. Colour the various beds as follows: limestone – sky blue, shale – brown, sandstone – pink, conglomerate – green.
4. Draw cross section along the suitable line and describe the geology of the area.