## EARTHWORKS 1

The drawing below shows ground contours at five-metre vertical intervals. PQ is the line of proposed roadway having the following specifications.
(i) formation width as given;
(ii) formation level at P is 55 m ;

Cuttings:- Earth removed to in order obtain a required slope or elevation
Embankments:- Earth added to existing contours in order to obtain a required slope or elevation
(iii) P to Q is level;
(iv) side slopes for cuttings 1 in 1
(v) side slopes for embankments 1 in 1.5
(a) On the drawing supplied draw a vertical section (profile) on the line PQ
(b) Show the earthworks necessary to accommodate the roadway.


