

Solution of T1 question paper along with
marking scheme P118-113(T1)

Subject: Plastic Analysis of steel structures

Q.1) Calculation of M_p for beam mechanism — 2marks

Calculation of M_p for sway mechanism — 2marks

Calculation of M_p for combined mechanism — 3marks

Drawing of BMD — 3marks

Q.2) Beam mechanism — 2marks

Sway mechanism — 2marks

Combined mechanism — 3marks

Drawing of BMD — 3marks

Q.3) Beam mechanism — 2marks

Sway mechanism — 2marks

All combined mechanisms — 6marks

Q.4) Beam mechanism — 2marks

Sway mechanism — 2marks

All combined mechanisms — 6marks