ATTEMPT ALL QUESTIONS

PROBLEM (1): [10 marks]
(12 minutes):
For the shown beam (Fig. 1) it is required,
(a) Draw N.F.D, S.F.D and B.M.D.
(b) Calculate the position and value of the max. Positive bending moment.

PROBLEM (2): [10 marks]
(15 minutes):
For the shown frame (Fig. 2) it is required, to draw N.F.D, S.F.D and B.M.D.

PROBLEM (3): [10 marks]
(18 minutes):
Calculate the N.F, S.F and B.M at sections S, N for the shown circular arch (Fig.3).

PROBLEM (4): [10 marks]
(15 minutes):
Calculate the forces in the marked members for the shown truss (Fig.4).

Best Wishes,