

MECHANICS OF MATERIALS

[CET - 301]

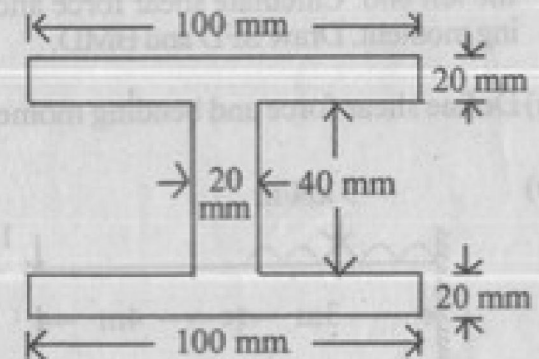
Full Marks : 70

Time : 3 hours

Answer any five questions

The figures in the right-hand margin indicate marks

1. (a) State Hooke's law. 2
(b) Find out the CG of the section given below : 5



- (c) Find out the total elongation of the composite bar as shown in fig. Take $E = 2.1 \times 10^3 \text{ N/mm}^2$. 7

(Turn Over)