

**SNS COLLEGE OF TECHNOLOGY** (An Autonomous Institution) **COIMBATORE-641 035, TAMIL NADU** & EV=D VA+YB - (1×4) - (1/2×8×2) ZD VB+VB-4-8 (2) = 0 VA+VB= 12 -EMA= D (4×2) + (8×(12-5:33) - VB×12 = 0. 12 VB = 8+53.36 VB = 5,11 KN Sub VB En D VA+VB=12 6.8KN

SNS COLLEGE OF TECHNOLOGY (An Autonomous Institution) **COIMBATORE-641 035, TAMIL NADU** 5. Determine the Support reactions bea a shown in figure 12 KN 8KN 13 12 Sin 30 lo Serbo 8KN locabo 12 Cos 30 HA MA 2m 4m EH=0 (-++) 248 10 Cerbo' - 12 Cor 30' - HA = 0 HA = -5.392KN Charge Duection)  $H_{R} = 5.392 \text{ km}$ EV=0(1+) VA - 10 Sin bo' - 12 Sin 30' - 8 = 0



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(10 Sen bo'x 4) + (12 Sin 30' x 6) + (8×10) - N/M = 0

Renelt :