## **SUMMARY**

This session learnt about the definition of stress, strain, elastic limit, section modulus and radius of gyration are discussed. Also, the relationship between stress and strain for the materials like steel and concrete are being dealt with. This lecture also deals with the Hooke's law and gives an understanding of the Elastic limit. This lecture will form a prerequisite for understanding the concept of Poisson's ratio and other parameters related to mechanics of solids.