



10. What is a coustic emission?

CO5-U

PART – C (5 x 16= 80 Marks)

11. (a) Explain photo elasticity. Write it's advantage and its characteristics. CO1- U (16)

Or

(b) Explain with neat sketches the fibre optic sensor systems. CO1- U (16)

12. (a) Explain briefly the working principle of LVDT. CO2-U (16)

Or

(b) Explain briefly about Data Acquisition System. CO2-U (16)

13. (a) Explain vibration-meter and vibration-analyzer. CO3-U (16)

Or

(b) Explain the working principle of CRO CO3-U (16)

14. (a) Describe the various types of strengthening techniques adopted for structural distress. CO4-U (16)

Or

(b) Describe the construction and uses of half-cell. CO4-U (16)

15. (a) Explain any two non destructive techniques. CO5-U (16)

Or

(b) What are the crack measurement technique and how to observe the development of cracks. CO5-U (16)