

- 7 a. What is the role of matrix and reinforcement in composites? (06 Marks)
b. Explain pressure bag and vacuum bag moulding with neat sketches. (10 Marks)
c. With a neat diagram, explain hand layup process. (04 Marks)
- 8 a. What is the need for MMC's and mention its applications. (06 Marks)
b. Differentiate between Thermoplastic and Thermoset. (06 Marks)
c. With a neat sketch, explain compression moulding and Resin transfer moulding. (08 Marks)
- 9 a. What are Electrostrictive and Magnetostrictive materials? Explain their properties. (08 Marks)
b. Stating the applications of Magnetorheological and electrorheological fluids, explain it. (08 Marks)
c. Write a short note on Fibre optic sensors. (04 Marks)
- 10 a. What is the use of an accelerometer and explain it. (05 Marks)
b. What is a load cell? What are applications of it? Explain. (05 Marks)
c. Write a short note on Microphones. (05 Marks)
d. Write a short note on pressure sensors. (05 Marks)
