

PART - C (6 × 11 = 66 Marks)

Answer ALL Questions

23. a) Summarize the casting defects and explain the remedies used. 11 K2 CO1
- OR**
- b) Describe with neat sketch about the various components of Oxyacetylene gas welding equipment. 11 K2 CO1
24. a) With neat sketch explain the various types of Drawing process. 11 K2 CO2
- OR**
- b) Explain the steps involved in drop forging with neat sketches. 11 K2 CO2
25. a) Explain the orthogonal cutting and oblique cutting with neat sketches. 11 K2 CO3
- OR**
- b) Discuss about the single spindle automatic lathe with neat sketch. 11 K2 CO3
26. a) Explain the principle of operation of a shaper with a neat sketch. 11 K2 CO4
- OR**
- b) Explain the twist drill nomenclature and define various elements of twist drill. 11 K2 CO4
27. a) Explain the process of centerless grinding and identify its advantages and disadvantages. 11 K2 CO5
- OR**
- b) Explain the lapping and honing processes, highlighting their differences and typical uses in manufacturing. 11 K2 CO5
28. a) Discuss the role of automated machining in modern manufacturing and its impact on productivity and precision. 11 K2 CO6
- OR**
- b) Illustrate the importance of welding as a primary manufacturing process and describe its impact on product quality. 11 K2 CO6