

SYME

MPR

Question bank 17402

Sem- 4

Unit Test II

Chapter 4

- 1) Define welding and classify welding processes and state advantages & disadvantages & application of welding.
- 2) Explain oxy-acetylene gas welding with neat sketch.
- 3) What is arc welding. State its types & Explain shielded metal arc welding with sketch.
- 4) Explain TIG welding with neat sketch
- 5) Explain MIG welding with neat sketch.
- 6) State the principle of resistance welding. Also state its types & explain spot welding with neat sketch.
- 7) Explain EBW & LBW with neat sketch.
- 8) Explain soldering & brazing with application.

Chapter 5

- 1) Enumerate the methods of taper turning on lathe & explain compound rest swivel method of taper turning.
- 2) With neat sketch show the following on single point cutting tool.
  - a) side & end cutting edge angle.
  - b) side & end relief angle.
  - c) side & end clearance angle.
  - d) back & side rake angle.
- 3) What is tool signature ? explain with example.
- 4) Sketch and explain main parts of drilling machine.
- 5) Sketch the geometry of twist drill.
- 6) Define following terms related to nomenclature of twist drill.
  - a) built-up-edge.
  - b) helix angle
  - c) point angle
  - d) flutes.
- 7) Length of taper is 60 mm with larger diameter of taper 30 mm & smaller diameter 20 mm. find half taper angle.
- 8) Define & state the expression for following terms with reference to lathe machine.
  - a) cutting speed.
  - b) feed
  - c) Depth of cut

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Chapter 6

- 1) Explain blow moulding with neat sketch.
- 2) Explain compression moulding with neat sketch.
- 3) Explain extrusion moulding with neat sketch. State applications.
- 4) Explain injection moulding with neat sketch.
- 5) Explain calendaring with neat sketch.
- 6) Explain vacuum forming with neat sketch.