Question Bank (G scheme)

Name of subject: MANUFACTURING PROCESSES **Unit Test :II**

Subject code: 17402 **Course : ME**

Semester: VI

Q.1) Define welding and classify welding processes and state advantages and applications of welding. (4mark)

Q.2) Explain oxy-acetylene gas welding with neat sketch. (3marks)

Q.3) What is arc welding. State its types &explain shielded metal arc welding with sketch. (4marks)

Q.4) Explain TIG welding with neat sketch. (3marks)

Q.5) Explain MIG welding with neat sketch. (3marks)

Q.6) State the principle of resistance welding. Also state its types & explain spot welding with neat sketch (4marks)

Q.7) Explain EBW with neat sketch & explain LBW with neat sketch (4marks)

Q.8) Explain soldering with applications & explain brazing with applications (4marks)

Q.9) Enumerate the method of taper turning on lathe. (3marks)

Q.10) With neat sketch show the following on a single point cutting tool. (4marks)

1)Side and end cutting edge angle

2) Side and end relief angle

3) Side and end clearance angle

4) Back and side rake angle

Q.11) What is tool signature? And explain with example (4marks)

Q.12) Sketch and explain main parts of drilling machine (4marks)

Q.13) Sketch the geometry of twist drilling (4marks)

Q.14) Define following terms (4marks)

1)axis 2)body

3)Built up age 4)chip breaker

5) clearance 6) drill diameter

7) flutes 8)helix angle

9) lead 10) neck

Q.15) Length of taper is 60 mm with larger diameter of taper 30 mm and smaller diameter 20 mm. Find half taper angle (3marks)

Q.16) Define and state the expression for following (4MARKS)

1) cutting speed

2) Feed

3) Depth of cut

Q.17) Explain blow moulding with neat sketch (3marks)

Q.18) Explain compression moulding with neat sketch (3marks)

Q.19) Explain extrusion moulding with neat sketch. State its applications (4marks)

Q.20) Explain injection moulding with neat sketch (4marks)

Q.21) Explain calendaring with neat sketch (4marks)

Q.22) Explain vacumn forming with neat sketch & give examples (4marks)