QUESTION BANK

UNIT TEST -1

Subject-MPR (22446) SYME

CHAPTER -1

1. Explain thread cutting operation on lathe machine . (CO1) (2M)
2. Write classification of different types of drilling machines (CO1) (2M)
3. Describe reaming and spot facing operations on drilling machines. (CO1) (4M)
4. Draw a neat sketch of radial drilling machine (CO1) (4M)
5. Draw nomenclature of single point cutting tool (CO1) (4M)
6. What is cutting speed and feed in case of lathe machine(CO1) (4M)
7. How drill machines are classified and draw neat sketch of radial drilling machine. (CO1) (8M)
8. Draw a neat sketch showing important parts of radial drilling machine and state the function of any four parts. (CO1) (4M)
9. Define taper. List the various taper turning methods and explain the working principle of any one taper turning method with neat sketch. (CO1) (8M)
10. State the various operations perform on the lathe. Explain any two in brief. (CO1) (4M)
11. Explain the factor influencing the rake angle of the single point cutting tool. (CO1) (4M)
12. What is knurling operation and why it is performed? (CO1) (2M)
13. Explain taper angle calculation with neat sketch. (CO1) (4M)
14. State the four methods of taper turning on the lathe. (CO1) (4M)
15. Explain the term tool signature related to lathe machine. (CO1) (4M)

16. Explain with neat sketch following lathe operations(1) taper turning (2)facing (CO1) (4M)

CHAPTER -2

1. Draw a neat sketch of shaper (CO2) (4M)
2. State different parts of shaper (CO2) (3M)
3. How shaper is specified (CO2) (4M)
4. Explain with neat sketch crank and slotted link quick return mechanism. (CO2) (4M)
5. Explain with neat sketch hydraulic quick return mechanism. (CO2) (4M)
6. State different types of slotter. (CO2) (3M)
7. State different parts of slotter. (CO2) (3M)

CHAPTER -3

1. Explain basic in making sand castings (CO3) (3M).
2. State type of pattern. (CO3) (4M)
3. Explain any one of the pattern (CO3) (4M)
4. Selection of pattern materials (CO3) (3M)
5. State pattern allowances (CO3) (3M)
6. Define Moulding (CO3) (3M)
7. State classification of sand (CO3) (4M)