

OR

- 8 a. Briefly explain all the elements considered for the estimation of foundry cost. (08 Marks)
b. Explain the elements considered for the estimation of foundry cost. (08 Marks)

Module-5

- 9 a. With a neat diagram, explain the operations:
i) Angular milling
ii) Gang milling
iii) Straddle milling
iv) Thread milling. (12 Marks)
b. Explain the importance of machining time operation. (04 Marks)

OR

- 10 a. Estimate the machining time to turn a 3cm diameter mild steel bar 10cm long, down to 2.5cm diameter in a single cut, using high speed steel tool. Assume the cutting speed of the tool to be 30m/min and a feed of 0.4mm per revolution. (08 Marks)
b. A hollow spindle is bored to enlarge its hole diameter from 15mm to 20mm upto 80mm depth in single cut estimate the boring time, if cutting speed is 20m/min and feed is 0.25mm/rev. (08 Marks)
