

SECTION-B

2. Classify rolling processes. Explain any two rolling processes with suitable sketches.
3. Describe various forging defects, their causes and remedies.
4. Write the advantages of high velocity forming of metals, and explain any one high velocity forming process with a neat sketch.
5. Draw a neat sketch of twist drill by showing various parts and explain its nomenclature.
6. With a neat sketch, explain any one of the driving mechanisms used in shaping machine.

SECTION-C

7. Explain various drawing operations with neat sketches.
8. a) Describe the composition, limitations and applications of following cutting tool materials: (i) high carbon steels, and (ii) high speed steels
b) What is the purpose of using coolant in a manufacturing operation? List various types of coolant. How do coolants influence the machining processes?
9. a) Sketch a centre type cylindrical grinding machine indicating various parts and briefly explain its working.
b) Distinguish between capstan and turret lathes with sketches.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.