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Manufacturing Technology-II

Important 13mark questions

Unit I

1. Explain the different types of tool wear that occur in metal cutting.
2. Detail the nomenclature of single point cutting tool with illustrative sketches.

Unit II

1. Describe the different types of operations that can be performed on a lathe.
2. Discuss about the construction and working principle of single spindle automatic screw type machine with illustrative sketch.

Unit III

1. Classify the different types of milling cutter and outline each with illustrative sketch.
2. Discuss in detail about the features of hydraulic drive of a horizontal shaper and list its advantage also.

Unit IV

1. Explain the working mechanism of the following grinding process briefly
 - (i) Cylindrical surface grinding.
 - (ii) Centerless grinding
2. Discuss in detail any two types of surface grinding process with neat sketches.

Unit V

1. Describe in brief the basic components of a tape operated NC machine tool.
2. Narrate the design considerations of CNC machines.