

QP Code : 14924

4. (a) How is the 3-2-1 Location principle used for designing of Jigs and Fixtures? 5
(b) How are Transfer lines used in mass manufacturing? Also give its classification. 5
(c) What is agile manufacturing? Show its need in the manufacturing industry. 10
5. (a) What is EDM? Write about its applications, advantages and limitations. 5
(b) Why is ejection system used in plastic injection molds? Write about Pin ejection 5
method using a neat sketch. 10
(c) Write about the construction and working of progressive die and combination die with the help of neat sketches.
6. (a) Write in detail about clamping and locating devices used in jigs and fixtures. 10
(b) How is Indexing mechanism used in fixtures? Show working of a sliding indexing 5
fixture with the help of a diagram.
(c) How is classification of Non-traditional Machining done? Show the classification 5
using a chart.
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