

Q.20 Explain the difference of tap cycle and peck drill cycle with diagram and example.

No. of Printed Pages : 4

Roll No.

202033

**3rd Year / Advance Diploma in Tool and
Die Making
Subject : CNC Technology**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

- Q.1 Define NC codes.
- Q.2 Give example of Point to Point NC systems.
- Q.3 Define canned cycles.
- Q.4 Expand ATC.
- Q.5 Define cutter radius compensation.
- Q.6 Expand EDM.
- Q.7 What do you understand by di-electric medium?
- Q.8 Define Interpolation.
- Q.9 Define work reference.
- Q.10 What is dwell?

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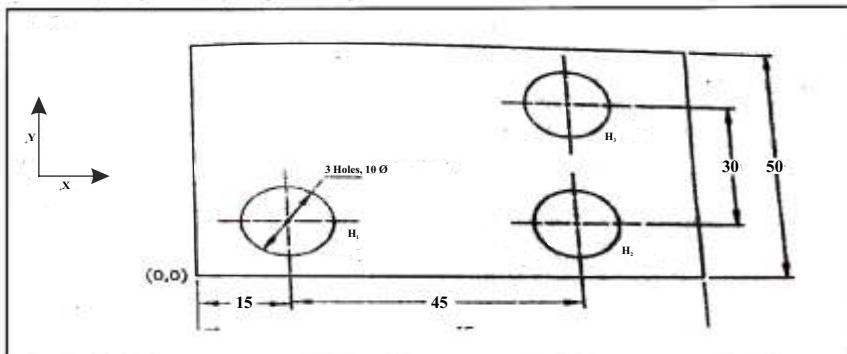
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SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Write short note on designation of linear axes in CNC machines.
- Q.12 Write short note on cooling system of CNC and the commands for them.
- Q.13 Differentiate between Incremental and absolute systems.
- Q.14 Write a simple manual program for following diagram. Assume missing data/dimension.



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Q.15 Explain the difference between modal and non-modal codes with examples.

Q.16 What are the different accessories of various operations on machining centres?

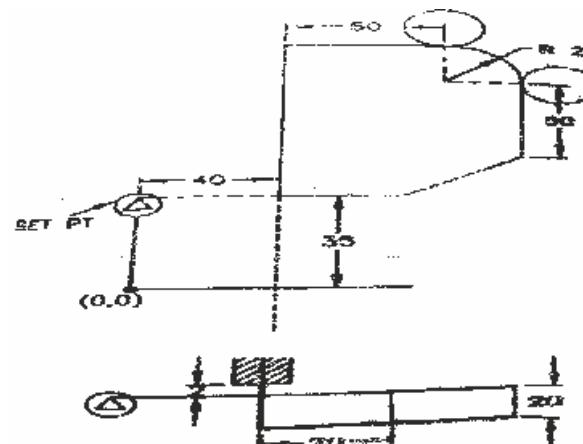
Q.17 Explain the methods of giving I, J, K dimensions with example.

Q.18 Explain various grinding variables in CNC grinding machines.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Write a part program for the following side milling.



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