

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.

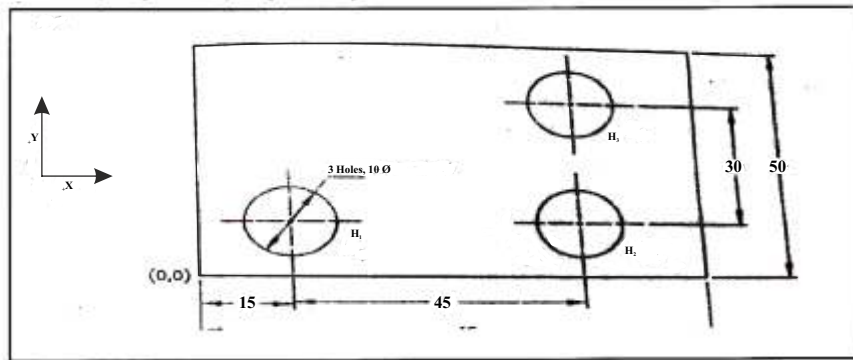
Q.9 Define work reference.

Q.10 What is dwell?

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?

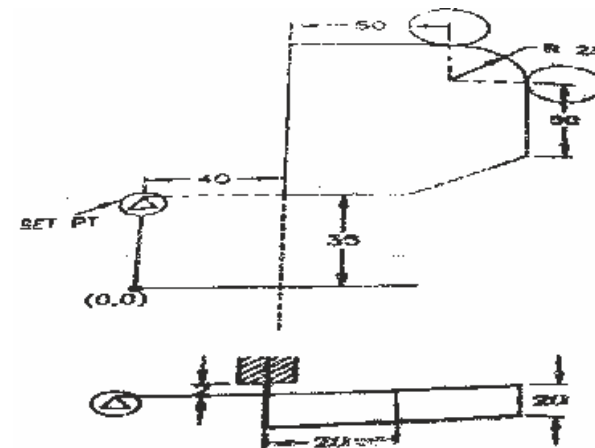
Q.17 Explain the methods of giving I, J, K dimensions with example.

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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