

SECTION-B

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

- Q.11 What is the difference between engine lathe and turret lathe?
- Q.12 Name the different types of lathe operations. Explain about facing and knurling with neat sketches.
- Q.13 What do you understand by the term “Boring”? How are boring machines classified?
- Q.14 Explain briefly Up-milling process and Down milling process.
- Q.15 Explain briefly plain indexing and differential indexing with suitable example.
- Q.16 What is an abrasive? How are abrasive classified?
- Q.17 What are the advantages, limitations and applications of broaching?
- Q.18 Define and explain the terms
i) Jig and ii) Fixture with its uses

SECTION-C

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

- Q.19 Explain lathe machine accessories with neat sketches.
- Q.20 Draw the block diagram of a horizontal milling machine and explain its various parts.

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**1st Sem, Level 5 / DVOC
(Industrial Tool Manufacturing)
Subject : Machine Tool Technology**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Compound rest
- Q.2 Cross slide
- Q.3 Counter boring
- Q.4 Drilling
- Q.5 Simple indexing
- Q.6 Gang milling
- Q.7 Abrasive
- Q.8 Push Broaching
- Q.9 Fixture
- Q.10 Drill Jig