

## **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of Eight questions.  $(6 \times 5 = 30)$

Q.11 What are the different types of taper turning methods? Discuss any one method with suitable diagram

Q.12 Discuss any two lathe attachments with neat sketches.

Q.13 What are the advantages of planer?

Q.14 Give the comparison between planer, shaper and slotter.

Q.15 Explain briefly Up-milling process and Down milling process.

Q.16 Explain briefly about differential indexing with suitable diagram/example.

Q.17 What is an abrasive? How are abrasive classified?

Q.18 Define and explain the terms

i) Jig and

ii) Fixture with its uses

## **SECTION-C**

**Note:** Long answer type questions. Attempt any one questions out of two questions.  $(10 \times 1 = 10)$

Q.19 What are the differences between a Turret and a Capstan lathe?

Q.20 Explain briefly the principles of jig and fixture design.

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**DVOC (Level-5) Semester 1<sup>st</sup>/Trade DVOC  
(Industrial Tool Manufacturing)  
Subject : Machine Tool Technology**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer questions. Attempt all ten questions.  $(10 \times 1 = 10)$

Q.1 What is compound rest?

Q.2 Define feed mechanism.

Q.3 What is counter boring?

Q.4 Write any two functions of Slotting machine.

Q.5 What is indexing?

Q.6 Define negative rake.

Q.7 What is abrasive?

Q.8 Define Plate jig.

Q.9 Define Honing.

Q.10 What is tapping?