

**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL (MP)**

**MID TERM EXAMINATION, Feb. 2022**

**Course: B. Tech.**

**Semester: I<sup>st</sup>**

**Section- (F, G, H, I, J)**

**Subject Name: Workshop Practice**

**Subject Code: ME-123**

**Time: 90 Minutes + 15 Min extra for uploading**

**Maximum Marks: 40**

**Note:** 1. Attempt any two questions from **PART A & PART B.**

2. Once completed, scanned single pdf file, saved as your scholar number should be upload to the MS Team Assignment section by 05.45 PM on the same day.

3. Each new question should be attempt on new sheet.

4. All questions carry equal marks (10 x 04 = 40 marks)

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<b>Q No.</b>	<b><u>Questions</u></b>
	<b><u>PART A</u></b>
<b>1.</b>	Explain the structure of a timber tree and what are the parameters for selection of timber tree?
<b>2.</b>	What is the difference between hard wood and soft wood? What do you understand by grains in wood?
<b>3.</b>	Describe all the common defects in wood? Explain different methods of seasoning?
	<b><u>PART B</u></b>
<b>1.</b>	What do you understand by gas welding? How are neutral, oxidizing and reducing flames obtained in a welding torch?
<b>2.</b>	What is the principle of operation of electric arc welding?
<b>3.</b>	Mention the use of chipping hammer in welding? List the advantages and disadvantages of welding?