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National Institute of Technology Kurukshetra

Department of Mechanical Engineering

End Semester Exam. (Dec. 2023)

B. Tech. 1st Semester

Time: 03 Hours

Total marks: 50

Sub.: Engineering Practice (MEIC-102)

Instructions: Answer all questions

- ~~Q1.~~ What are the primary objectives of industrial safety, and how do they contribute to maintaining a secure and hazard-free working environment? [10]
- ~~Q2.~~ Define wood seasoning and explain the different methods employed in the process. [10]
Additionally, enumerate the benefits associated with the seasoning of wood.
- Q3. Explain the Metal Arc Welding and provide insight into the utilization of a flux-coated electrode in this welding process. [10]
- ~~Q4.~~ What are the work holding techniques employed in lathe machines? Explain the operation of the 4-Jaw Chuck. [10]
- ~~Q5.~~ (a) Explain in brief various types of tools used in fitting shop with neat sketches. [5]
(b) Explain the significance of patterns in the context of metal casting. [5]