

**December 2023
NIT Kurukshetra
Engineering Practice (MEIC-102)**

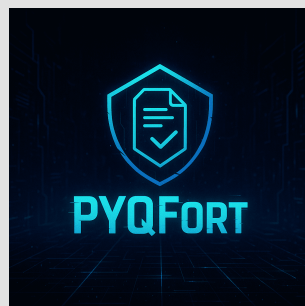
Duration: 3 Hours

Max. Marks: 50

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. Additionally, enumerate the benefits associated with the seasoning of wood. (10)
- 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)



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