

School of Mechanical Engineering
Mechanical Engineering
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem II - G3UB201B - Engineering Workshop

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | Describe any four fitting operation? | K2 CO3 (5) |
| 2. | List down the marking tools used in carpentry shop with neat sketch? | K2 CO2 (5) |
| 3. | Discuss the General Safety guidelines to be followed in the workshop? | K2 CO1 (5) |
| 4. | Explain the different clamping tools in fitting shop with sketches? | K3 CO3 (10) |
| 5. | Discuss the Tungsten Inert Gas welding process along with principle, advantages and its applications? | K3 CO4 (10) |

OR

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| | Explain different welding defect? | K3 CO4 (10) |
| 6. | Elaborate the general safety measures used in carpentry shop and welding shop? | K2 CO1 (10) |
| 7. | Discuss the different types of casting defects? | K3 CO2 (10) |
| 8. | Discuss the Metal Inert Gas welding process in detail and its applications? | K4 CO4 (15) |
| 9. | Elaborates following fitting operation with schematic diagrams a) chipping b) filing c) scraping d) grinding, e) sawing, f) marking, and g) tapping? | K3 CO3 (15) |
| 10. | Explain the manufacturing operation of gear teeth using milling machine? | K4 CO5 (15) |

OR

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| | Discuss any five operations performed on the lathe machine with suitable diagram? | K4 CO5 (15) |
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