

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

School of Engineering**B.TECH Mechanical Engineering
Mid Term Examination - May 2024****Duration : 90 Minutes
Max Marks : 50****Sem II - G3UB201B - Engineering Workshop**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain the term casting in the context of engineering workshop. K2 (2)
- 2) Recall the different tools used in sheet metal shop. K1 (3)
- 3) Explain the process of marking in context to fitting shop. K2 (4)
- 4) Compare sweep, segmental and skeleton pattern used for low cost and large molding. K2 (6)
- 5) Identify the different allowances given on pattern during casting process. K3 (6)
- 6) Determine how the process of brazing is performed. Enlist advantages, disadvantages and uses of brazing. K3 (9)
- 7) Explain the various steps in making sand casting in detail. K4 (8)
- 8) Contrast the main object of seasoning the Timbers. Explain different methods of seasoning. K4 (12)

OR

Analyze various job holding devices used in fitting shop. Point out various points to keep in mind for taking care while using vice. K4 (12)