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THERMAL ENGINEERING LAB – I Thermal Engineering Laboratory and I.C .Engine Laboratory LIST OF EXPERIMENTS I.C ENGINE LAB AND FUELS LAB 1. Valve Timing and Port Timing Diagrams. 2. Performance Test on 4-stroke Diesel Engine. 3. Heat Balance Test on 4-stroke Diesel Engine. 4. Morse Test on Multicylinder Petrol Engine. 5.

THERMAL ENGINEERING LAB – I

INSTITUTE OF AERONAUTICAL ENGINEERING MECHANICAL ENGINEERING DEPARTMENT 6 THERMAL ENGINEERING LAB MANUAL EXPERIMENT NO: 1 VALVE TIMING DIAGRAM INSTITUTE OF AERONAUTICAL ENGINEERING MECHANICAL ENGINEERING DEPARTMENT 7 THERMAL ENGINEERING LAB MANUAL AIM: The experiment is conducted to Determine the actual valve timing for a 4-stroke diesel engine ...

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GUDLAVALLERU ENGINEERING COLLEGE THERMAL ENGINEERING LAB Load Test on 4-Stroke Single cylinder Diesel Engine Test Rig 4 PRECAUTIONS: 1. Before starting the engine check all the systems such as cooling ,

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Users of Thermal Engineering Lab must comply with the following safety instructions. 1. Wear always pants and safety shoes when you operate any engine. Sandals are not allowed at all. 2. There should be no over-crowding. 3. Make sure that you stay away from hot exhaust lines and moving parts of engines 4.

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THERMAL ENGINEERING LAB MANUAL LIST OF EXPERIMENTS 1. Determination of Viscosity of lubricating oil using i. Redwood Viscometer ii. Redwood Viscometer iii. Say bolt Viscometer. 2. Determination of Flash point and fire point of sample fluid using i. Abel's apparatus ii. Pensky Marten's apparatus. 3.

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WKHGDWDSRLQWVLVNQRZQDVWKH:,\$1Â¶6/,1(The other performance parameters like Brake Mean Effective Pressure (Bmep), indicated thermal efficiency (η_{ith}), Brake thermal efficiency (η_{bth}), Mechanical efficiency (η_{mech}), Specific Fuel Consumption (SFC) are determined and graphs are plotted.

THERMAL ENGINEERING

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