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School of Engineering**B.TECH Mechanical Engineering
Mid Term Examination - Nov 2023****Duration : 90 Minutes
Max Marks : 50****Sem V - G3UB503T - Automobile Engineering**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) propose the six engine assembly with its components function, material and method of its manufacturing K2 (2)
- 2) Assess the various parts of the fuel feed system of a car. Draw a line diagram showing these parts in respective position. K1 (3)
- 3) Develop the modifications needed in engine and fuel supply system? And write its advantages and disadvantages? K2 (4)
- 4) Explain the ABS and Traction control. K2 (6)
- 5) Assess the various components in transmission system? K3 (6)
- 6) Define the kingpin offset? State some of its application. K3 (9)
- 7) Recognize the sliding mesh gearbox. K4 (8)
- 8) Correlate the BS2 and BS3 engine. K4 (12)

OR

Discuss the back compressor in engines K4 (12)