List of Answers

1. (b) $\phi_{\text{lean}} = 0.276$

4. (b)(i) At maximum power condition $T = 105.9$ N m, At maximum torque condition $P = 43.6$ kW

   (ii) $isfc = 0.205$ kg/kWh

   (iii) Bore $=$ stroke $= 73.5$ mm and engine displacement is 1.25 litres