



NUMERICAL ANSWERS TO CALCULATION QUESTIONS

Note: The following units contain calculation questions.

Unit 2 - Pumps and Compressors

Chapter 1 - Types of Pumps

4. 518 Pa

Unit 3 - Boiler Safety Devices

Chapter 1 - Pressure Relief Valves

6. d) 174 kPa

Unit 4 - Boiler Plant Operation and Management

Chapter 3 - Boiler Operation

8. 5115 kPa

Chapter 4 - Operational Checks

15. a) 45 kPa

b) 15 kPa

c) 70 kPa

d) 90 kPa



Chapter 5 - Shutdown Procedures

9. 10.2 kg quicklime

Unit 5 - Energy Plant Maintenance

Chapter 1 - Energy Plant Maintenance I

29. 3.3 mm

Unit 6 - Water Treatment

Chapter 2 - Internal Boiler Water Treatment

17. a) 290 ppm
b) 120 ppm
c) 410 ppm