

ANSWERS TO IN-CHAPTER EXERCISES

A

2. $\frac{300}{7}$ gm 3. $\frac{35}{9}$ KW 4. 37.82°C 5. 6.912 seconds 6. II
 7. C 8. B 9. D 10. C

B

1. 1.78 W 2. B 3. A 4. A-R, S ; B-Q ; C-P, Q ; D-R 5. C 6. D

- 1.(a) 2449.2 N, (b) 4.04 cm, (c) No 2. 1.635×10^{-2} J

C

3. $T_A = T_C = 356.36$ N, $T_B = 267.27$ N, $\Delta\ell = 1.78 \times 10^{-3}$ m 4. $v = 3.715$ m/s
 5. $\eta = 1.6 \times 10^{10}$ N/m² 6. C 7. D 8. C 9. A 10. A

ANSWERS TO MISCELLANEOUS EXERCISE

1. C 2. A 3. B 4. A
 5. A 6. C 7. C 8. B