

NEET THERMAL PROPERTIES OF MATTER — SPECIFIC HEAT CAPACITY AND CALORIMETRY — PYQS

Max. Marks: 8
Questions: 2

Section A (MCQ) — 2 questions

Q.1 The quantities of heat required to raise the temperature of two solid copper spheres of radii r_1 and r_2 ($r_1 = 1.5r_2$) through 1 K are in the ratio :

[NEET (UG) 2020]

- (1) $\frac{9}{4}$ (2) $\frac{3}{2}$ (3) $\frac{5}{3}$ (4) $\frac{27}{8}$

Scan or tap for the
full solution



Q.2 Two identical bodies are made of a material for which the heat capacity increases with temperature. One of these is at 100 °C, while the other one is at 0 °C. If the two bodies are brought into contact, then, assuming no heat loss, the final common temperature is

[NEET 2016 (Phase 2)]

- (1) 50 °C
(2) more than 50 °C
(3) less than 50 °C but greater than 0 °C
(4) 0 °C

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2									
Ans.	4	2									