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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**									