

Class-9 Physics

There will be one paper of two **hours** duration carrying 80 marks and Internal Assessment of practical work carrying 20 marks.

The paper will be divided into **two** sections, Section I (40 marks) and Section II (40 marks).

Section I (compulsory) will contain short answer questions on the entire syllabus.

Section II will contain six questions. Candidates will be required to answer any **four** of these **six** questions.

Note: Unless otherwise specified, only **SI** Units are to be used while teaching

Chapter-1 Measurements and Experimentation:

- International System of Units, • Measurements using common instruments,

Chapter-2 Motion in One Dimension:

- Scalar and vector quantities,

Chapter-3 Laws of Motion:

- Contact and non-contact forces •Newton's First Law of Motion
- Newton's Second Law of Motion • Newton's Third Law of Motion
- Gravitation

Icse Physics Syllabus 2015 Std 9 Guide

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temperature change plugging in the values given in the problem you get $q_{\text{water}} = 4.18 \text{ J/g} \times 110 \text{ g} \times 26.6 \text{ }^{\circ}\text{C}$
 550 J $\Delta h_{\text{water}} = 550 \text{ J}$

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 for water $4.184 \text{ J/g} \times 1$ what is the specific heat of aluminum if the temperature of a 28.4 g sample of aluminum is increased
 by $8.1 \text{ }^{\circ}\text{C}$ when 207 J of heat is added 2

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 $14.7 \text{ }^{\circ}\text{C}$ $\Delta H_{\text{rxn}} = q_{\text{rxn}} = q_{\text{calorimeter}} = mcs\Delta T$

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 process in 1 3 i have 18.7 grams of an unknown liquid chemical at a temperature of $35.0 \text{ }^{\circ}\text{C}$

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 of 1.00 M NaOH at $25.0 \text{ }^{\circ}\text{C}$ in a foam cup calorimeter a reaction occurs and the temperature rises to $32.0 \text{ }^{\circ}\text{C}$ calculate the
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