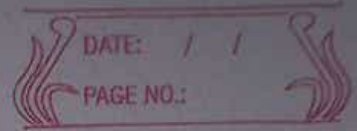


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BATCH: B10

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Physics - 2 (15B11PH211)

Assignment - 7

Discuss the various drawbacks of classical free e^- theory:

- * It fails to explain the electric specific heat & the specific heat capacity of metals.
- * It fails to explain superconducting properties of metals.
- * It fails to explain new phenomena like photo electric effect, Compton effect, Black Body radiation etc.