

Paper I

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Reg. No. :

4203

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(For the candidates admitted from 2002 and onwards)

M.Sc. DEGREE EXAMINATION, APRIL 2003.

First Semester

Physics

Paper II — CLASSICAL MECHANICS, STATISTICAL
MECHANICS AND RELATIVITY

Time : Three hours

Maximum : 100 marks

SECTION A — (20 × 1 = 20 marks)

Answer ALL questions.

Choose the correct answer :

1. If L and P denote the matrices of Lagrange and Poisson brackets respectively, then

(a) $LP = 1$

(b) $LP = -1$

(c) $\frac{L}{P} = 1$

(d) $\frac{L}{P} = -1$