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Reg. No. :

2226

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(For the candidates admitted from 1999 and onwards)

M.Sc. DEGREE EXAMINATION, APRIL 2001.

First Semester

Physics

Paper III — CLASSICAL MECHANICS, STATISTICAL
MECHANICS AND RELATIVITY

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

Choose the correct answer.

1. Let L and P represent the matrices of Lagrange
and Poisson brackets respectively. Then,

(a) $LP = 1$

(b) $L^2 = -1$

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

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