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Reg. No. :

3159

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(For the candidates admitted from 2002 and onwards)

M.Sc. DEGREE EXAMINATION, APRIL 2004.

Second Semester

Part III — Physics

Paper V — ELECTROMAGNETIC THEORY AND
ELECTRODYNAMICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

SECTION A — (20 × 1 = 20 marks)

Choose the correct answer.

1. The normal component of dielectric displacement is _____ across a charge free boundary.

- | | |
|--------------|----------------|
| (a) Zero | (b) Continuous |
| (c) Discrete | (d) Infinite. |