

Reg. No. :

D 1638

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(For the candidates admitted from 2004 and onwards)

M.Sc. DEGREE EXAMINATION, DECEMBER 2006.

Second Semester

Physics

**ELECTROMAGNETIC THEORY AND
ELECTRODYNAMICS**

Time : Three hours

Maximum : 100 marks

SECTION A — (20 × 1 = 20 marks)

Answer ALL questions.

Choose the correct answer :

1. Force between two parallel wires is _____ if the current flow is in the opposite direction

- (a) attractive (b) repulsive
(c) neutral (d) none.

2. Time dependent electromagnetic field equations are called _____ equations

- (a) London's (b) BCS
(c) Maxwell's (d) Polar.