

May June 2012

Total No. of Questions—12]

[Total No. of Printed Pages—4+1

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[4162]-118

S.E. (Mech./Prod.) (Second Semester) EXAMINATION, 2012

(Common to Mech. S/W and Produ./Industrial)

ELECTRICAL TECHNOLOGY

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 100

N.B. :— (i) Answers to the two sections should be written in separate answer-books.

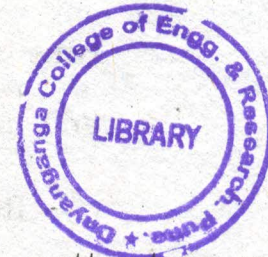
(ii) Answer Q. No. 1 or Q. No. 2, Q. No. 3 or Q. No. 4, Q. No. 5 or Q. No. 6 from Section I and Q. No. 7 or Q. No. 8, Q. No. 9 or Q. No. 10, Q. No. 11 or Q. No. 12 from Section II.

(iii) Figures to the right indicate full marks.

(iv) Use of non-programmable pocket size scientific calculator is permitted.

(v) Neat diagrams must be drawn wherever necessary.

(vi) Assume suitable data, if necessary.



SECTION I

1. (a) With neat circuit diagram explain how two wattmeters can be used to measure total active power consumed by three-phase balanced load. [8]

P.T.O.

