

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 33314Roll
No.

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B. Tech Examination 2021-22
(Even Semester)

**ELECTRO-MECHANICAL ENERGY
CONVERSION-I**

Time : Three Hours] [Maximum Marks : 60

Note :- (i) Attempt all questions.

SECTION - A

1. Attempt all parts of the following : $8 \times 1 = 8$
- Define energy and co-energy.
 - Differentiate between mechanical angle and electrical angle.
 - Which part of dc machine is laminated? Why?
 - What do you mean by pole pitch?
 - Write the expression of torque for singly excited system.