

No. of Printed Pages : 05

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

**PAPER ID : 33302**Roll  
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**B. Tech. Examination 2021-22**

(Even Semester)

**BASIC ELECTRICAL ENGINEERING***Time : Three Hours]**[Maximum Marks : 60***Note :-** Attempt all questions.**SECTION - A**

1. Attempt all parts of the following : 8 × 1 = 8
- (a) Give the statement of Tellegen's theorem.
  - (b) What are the Kirchhoff's current and voltage laws?
  - (c) What do you understand by term 'Form Factor'?
  - (d) An alternating voltage is expressed by  $E = 120 \sin (100 t)$  the rms voltage and frequency will be.

***/ P T O.***