

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 44326

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Fourth Semester

Electronics and Instrumentation Engineering

14UEE426 - PRINCIPLES OF ELECTRICAL MACHINES

(Regulation 2014)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

- The relative permeability of a ferromagnetic material is
 - less than one
 - more than one
 - more than 10
 - more than 100 or 1000
- The material for brushes is generally
 - mica
 - copper
 - carbon
 - cast iron
- The all day efficiency of a transformer depends primarily on
 - its copper loss
 - the amount of load
 - the duration of load
 - both amount and duration of load
- A step up transformer increases
 - Voltage
 - Current
 - Power
 - Frequency
- _____ is called Slip speed.
 - Difference of synchronous speed and rotor speed
 - Sum of synchronous and rotor speeds
 - Half of the sum of synchronous and rotor speeds
 - None of these

