

# **SAMANTA CHANDRASEKHAR INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

*CLASS TEST : 1*

*SEM: 5<sup>TH</sup>*

*SUB: Energy Conversion 2*

*FULL MARK :10*

Q1: Define chording factor and distribution factor ?

Q2: Derive starting and running torque of 3 – IM ?

Q3: Derive torque – slip characteristics of a 3 IM ?

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CLASS TEST : 2

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Q1: What is a stepper motor and explain its working principle ?

Q2: Explain with vector diagrams the effect of varying excitation on a synchronous motor ?

Q3: Explain universal motor with diagram and write its application ?