

ASSIGNMENT: 4 QUESTION ON SYNCHRONOUS MACHINE

1. Give the Classification of synchronous machines and their specific applications.
2. Explain the Constructional details of salient pole synchronous machines and smooth cylindrical synchronous machines.
3. What are the effects of low SCR and high SCR on synchronous Machine?
4. What are Advantages and drawbacks of large air-gap length between stator and rotor of synchronous machine.
5. What are the range of the ratio l_g/τ for different types of Synchronous Machine. Justify "More the air-gap length in synchronous machine more the cost of machine."