

# ELECTRICAL ESTIMATION AND INSTALLATION

## 3. Testing and Maintenance of Rotating Machines

Q.No	Questions	Difficulty level	Marks	Year
1	Write the procedure for developing preventive maintenance.	C	4	Nov 17 May 18 Nov 19
2	What are the factors affecting the preventive maintenance schedule? Explain in short.	C	4	Nov 16
3	Explain with neat sketch and resistance equation measurement of DC resistance of three phase induction motor.	C	4	Nov 16
4	A brake test was carried out on shunt motor and following the observations for one reading- Voltage: 250v Current : 2A Speed: 1500RPM Spring Balance- W1: 3Kg W2: 0.2Kg The radius of brake pulley = 7.5 cm.Calculate a) Input b) Output c) Torque d) Efficiency	B	6	Nov 16
5	Classify methods of measurement of slip in case of three phase induction motor.Explain any two methods in detail.	A	10	Nov 16
6	Explain in detail temp. rise test by loading the induction motor with generator and by direct application of mechanical load in case of induction motor.	B	4	May 18