


**SYLLABUS FOR SUITABILITY TEST (2<sup>ND</sup> STAGE) FOR THE POST OF JE  
ON COMPASSIONATE GROUND IN SOUTH EASTERN RAILWAY**

<b>ELECTRICAL ENGG</b>
1. Basics of Electricity
2. Electrical Circuits and networks
3. EM Field Theory
4. Electrical Engineering Materials
5. Electrical Measurements and Instrumentation
6. D.C. Electrical Machines
7. Transformers
8. Synchronous Machines
9. Induction Machines
10. Power systems
11. Analog and Digital Electronics
12. Power Electronics and Drives
13. Communication Systems
14. Microprocessors and computers
15. Utilisation of Electrical Energy
16. Electrical Estimation, Costing and Wiring Practices
17. Environmental Engineering
18. Basic Computer Science Hardware & Software

  
 26/11/11  
 APO (B&S)