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| --- | --- | --- | --- | --- | --- | --- |
| **Sl.****No.** | **Period** | **Time(min)** | **Unit** | **TopictobeCovered** | **TeachingMethod** |  |
| 1. | 1. | 55 | 1 | Thermal power plant | Blackboard |
| 2. | 2. | 55 |  |  | Blackboard |  |
| 3. | 3. | 55 | 1 | Hydelpowerplant | Blackboard |  |
| 4. | 4. | 55 | 1 | Nuclearpowerplant | Blackboard |
| 5. | 5. | 55 | 1 | Solarpower plant | Blackboard |
| 6. | 6. | 55 | 1 | Layoutof generatingstation | Blackboard |
| 7. | 7. | 55 | 2 | Layoutoftransmission anddistributionscheme | Blackboard |
| 8. | 8. | 55 | 2 | Voltageregulationand efficiencyoftransformer | Blackboard |
| 9. | 9. | 55 | 2 | Kelvin’slaw | Blackboard |
| 10 | 10. | 55 | 2 | Coronaand coronalosses | Blackboard |
| 11 | 11. | 55 | 3 | Typesofsupports,sizeandspacing | Blackboard |
| 12 | 12. | 55 | 3 | Types ofconductormaterial | Blackboard |
| 13 | 13. | 55 | 3 | Types ofinsulatorandcrossarm | Blackboard |
| 14 | 14. | 55 | 3 | sag | Blackboard |
| 15 | 15. | 55 | 3 | Problems insag | Blackboard |
| 16 | 16. | 55 | 4 | Calculationofregulationandefficiencyin shorttransmissionlines | Blackboard |
| 17 | 17. | 55 | 4 | Calculationofregulationandefficiencyin shorttransmissionlines | Blackboard |
| 18 | 18. | 55 | 4 | Calculationofregulationandefficiencyin shorttransmissionlines | Blackboard |
| 19 | 19. | 55 | 4 | Calculationofregulationandefficiencyinmediumtransmissionlines | Blackboard |
| 20 | 20. | 55 | 4 | Calculationofregulationandefficiencyinmediumtransmissionlines | Blackboard |
| 21 | 21. | 55 | 4 | Calculationofregulationandefficiencyinmediumtransmissionlines | Blackboard |
| 22 | 22. | 55 | 5 | E.H.V transmission(A.C) | Blackboard |

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| LESSONPLAN |
| JHARSUGUDAENGINEERINGSCHOOL,JHARSUGUDA |
| NameoftheFaculty: AKANKHYA SURAVITA KAR | AcademicYear:2023-24 |
| CourseNo.Th-4 | CourseName:GENERATIONTRANSMISSIONDISTRIBUTION |
| Programe:Diploma | Branch:Electrical |
| Year/Sem: II/IV | Section: |

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| 23 | 23. | 55 | 5 | ReasonforadoptionofE.H.VA.Ctransmission | Blackboard |
| 24 | 24. | 55 | 5 | Problems inE.H.V transmission | Blackboard |
| 25 | 25. | 55 | 5 | Problems inE.H.V transmission | Blackboard |
| 26 | 26. | 55 | 5 | Problems inE.H.V transmission | Blackboard |
| 27 | 27. | 55 | 5 | H.V.D.C transmission | Blackboard |
| 28 | 28. | 55 | 5 | Advantagesandlimitationof H.V.D.C transmissionsystem | Blackboard |
| 29 | 29. | 55 | 6 | Distributionsystem | Blackboard |
| 30 | 30. | 55 | 6 | Connectionscheme ofdistributionsystem | Blackboard |
| 31 | 31. | 55 | 6 | Distributorfedatoneend | Blackboard |
| 32 | 32. | 55 | 6 | Distributorfedatboth end | Blackboard |
| 33 | 33. | 55 | 6 | Ringdistributor | Blackboard |
| 34 | 34. | 55 | 6 | A.C distributionsystem | Blackboard |
| 35 | 35. | 55 | 6 | Problems ofa.c distributionsystem | Blackboard |
| 36 | 36. | 55 | 6 | 3 phase 4 wirestarconnectedarrangement | Blackboard |
| 37 | 37. | 55 | 7 | Cableinsulation | Blackboard |
| 38 | 38. | 55 | 7 | Classificationofcable | Blackboard |
| 39 | 39. | 55 | 7 | Types ofcablewithconstructionalfeature | Blackboard |
| 40 | 40. | 55 | 7 | Methodsofcablelaying | Blackboard |
| 41 | 41. | 55 | 7 | Murrayandvarleylooptestforshortcircuitfault | Blackboard |
| 42 | 42. | 55 | 7 | Murrayandvarleylooptestforearthfault | Blackboard |
| 43 | 43. | 55 | 8 | Causesoflow powerfactorand methodsofimprovingit | Blackboard |
| 44 | 44. | 55 | 8 | Factorsaffectingtheeconomicof generation | Blackboard |
| 45 | 45. | 55 | 8 | Peakloadandbaseloadonpowerstation | Blackboard |
| 46 | 46. | 55 | 9 | Characteristicoftariff | Blackboard |
| 47 | 47. | 55 | 9 | Types oftariff | Blackboard |
| 48 | 48. | 55 | 9 | problems | Blackboard |
| 49 | 49. | 55 | 9 | problems | Blackboard |
| 50 | 50. | 55 | 9 | problems | Blackboard |
| 51 | 51. | 55 | 10 | Layoutof L.Tsubstation | Blackboard |
| 52 | 52. | 55 | 10 | Layoutof H.Tsubstation | Blackboard |
| 53 | 53. | 55 | 10 | Layoutof E.H.Tsubstation | Blackboard |
| 54 | 54. | 55 |  | REVISION | Blackboard |
| 55 | 55. | 55 |  | REVISION | Blackboard |
| 56 | 56. | 55 |  | REVISION | Blackboard |
| 57 | 57. | 55 |  | REVISION | Blackboard |
| 58 | 58. | 55 |  | REVISION | Blackboard |
| 59 | 59. | 55 |  | REVISION | Blackboard |
| 60 | 60. | 55 |  | REVISION | Blackboard |