



GMR Group Interview Questions

- Q1.** How to synchronize 3 phase slip ring induction motors of different ratings?
- Q2.** What is inrush current in transformer?
- Q3.** What are admixtures and its uses?
- Q4.** What is the use of cooling towers?
- Q5.** What is pile foundation?
- Q6.** What is hysteresis loss?
- Q7.** What is close loop?
- Q8.** What is the ratio of cement, water and sand in RCC?
- Q9.** How much area can plaster with one bag of cement? What is the size of the fuji blocks?
- Q10.** What is the difference between substation & grid substation?
- Q11.** How much depth of excavation have to do for High raised buildings?
- Q12.** What is the difference between profi bus and mod bus communication?



Q13. For a RCC section with congested reinforcement, what is the compaction factor?

Q14. Why do we prefer alternating current in India where as in USA prefers DC?

Q15. How does the labyrinth glands work in sealing a turbine? How exactly turbine sealing is done? What is the principle of it?

Q16. Where is the center of magnetic field in alternator?

Q17. Can we use existing 6300 V alternator for generating 6600 V by increasing excitation, what are the advantages & disadvantages to alternator & motors of 6600 V?

Q18. Can we use existing delta star with neutral grounded, step down (6.6 kV/ 415 V), 3 phase power transformer bi- directionally?

Q19. What is third harmonic? What is the effect of it?

Q20. What is the similarity and difference between UPS and inverter?

Q21. What is the difference between online UPS and offline UPS?

Q22. To find the temperature of the sun, which of the following law is used?

1. Charles law
2. Stefans fourth power law of radiation
3. Boyles law
4. Kirchhoffs law



Q23. What is the difference between GTS bench mark and temporary bench mark?

Q24. Why we decide alternating wave form in AC system and not in DC system?

Q25. What is rapid hardening cement? What is the use of rapid hardening cement?

Q26. What are the advantages of rapid hardening cement over other conventional methods?

Q27. Explain each and every area of power plant with neat sketch.

Q28. Why water treatment plant is used?