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Crossword 1: December 2019

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| **Across**  **1.** It is a conductor from which tappings are taken for supply to the consumers  **3.** What is said to occur when a fault occurs on a network such that a large current flows in one or more phases  **6.** The first nuclear power plant in the world was commissioned in which country  **7.** the most commonly used material for insulators of overhead lines  **11.** The most commonly used type of arrester in a substation  **12.** What does the symbol f mean?  **16.** When an alteranting current flows through a conductor, a changing flux is set up which links the conductor  **19.** It is a type of turbine used for high head hydro-electric plants  **20.** What is the symbol for zero halogen  **21.** The clamps or connectors used for connecting two electrical devices  **23.** A neutral plane is one where ... is zero  **30.** What type of transformer is used to measure alternating current  **31.** pole-mounted substations are used for ..... distribution  **34.** Equipment which can open or close a circuit under all conditions  **37.** The phenomenon of intermittent arc taking place in line-to-line ground fault of a system with consequent production of transients is known as  **40.** A device which detects a fault and supplies information to the breaker for circuit interruption  **41.** They are used to connect high voltage equipment at electrical switchyards, and low voltage equipment in battery banks  **43.** The acronym for data management systems  **44.** In a boiler, the heat of combustion of coal in the boiler is utilitized to convert wat into ? at high temperature and pressure  **45.** What is the acronym for Sulphur based gas emissions  **46.** In an electrical system when inductive reactance of the circuit becomes equal to capacitive reactance it is known as  **47.** The economic size of conductor is determined by....  **48.** If the spacing between the conductors is increased, then corona effect is | **Down**  **2.** The tendency of alternating current to concentrate near the surface of a conductor is known as  **4.** The basic unit of energy is  **5.** The rigorous solution of transmission line takes into account the ...... nature of line constants  **8.** The apparatus used for switching, controlling and protecting the electrical circuits and equipment  **9.** In the analysis of 3-phase trasmission line, only .... is considered  **10.** What is the acronym for unit control panel  **13.** A sudden rise in voltage for a very short duration on the power system is known as what  **14.** The Buchholz is a .... actuated relay  **15.** The prime mover converts energy from some other form into what energy  **17.** The potential across the various disks of suspension string is different because of ..... capacitance  **18.** It is a short piece of f wire or thin strip which melts when excessive current flows through it for sufficient time  **22.** As any two conductors of an overhead transmission line are separated by air which acts as an insulation, ? exists between any two overlead line conductors  **24.** What is the acronym for level of illumiation  **25.** Cross-arms are used onpoles or towers to provide.... to the insulators  **26.** It is a conductor which connects the substation to the area where is it to be distributed  **27.** The use of this equipment permits power to be transmitted at high efficiency  **28.** It is the opposition of line conductors to current flow  **29.** What does the acronym "E" mean  **32.** The cosine of angle between voltage and current in an a.c. circuit is known as  **33.** This relay is installed between the main tank and conservator  **35.** What is another name for a prime mover in a power plant  **36.** What does the acronym SOL CU stand for  **38.** In a string of suspension insulators, the maximum voltage appears acorss the unit.... to the conductor  **39.** What cycle does a steam power station basically work on  **42.** The phenomenon of violet glow, hissing noise and production of ozone gas in an overhead transmission line. |