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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. |