

DOWNLOAD PDF POWER PLANT ENGINEERING INTERVIEW QUESTIONS AND ANSWERS

Chapter 1 : TOP POWER PLANT Engineering Questions and Answers Pdf

POWER PLANT Engineering Questions and Answers mcqs interview objective type questions lab viva manual pdf free calendrierdelascience.com plant faqs Skip to content Engineering interview questions, Mcqs, Objective Questions, Class Notes, Seminar topics, Lab Viva Pdf free download.

What are the desirable properties of a good moderator? It must be as light as possible. It must slow down the neutron as quick as possible. It must have resistance to corrosion. It must have good machinability. It must have good conductivity and high melting point. What are the desirable properties of a coolant? It should not absorb neutron. Have high chemical and radiation stability. Non-corrosive. Non-toxic. Name few types of reactors. Fast reactors, Thermal reactors, natural fuel reactors, Enriched Uranium reactors, water moderated reactors, heavy water moderated reactor, graphite moderated reactor, gas cooled reactors and Sodium cooled reactors. What are the advantages using CO₂ as coolant? Gases do not react chemically with the structural materials. Gas can attain any temperature for a particular pressure. They do not absorb neutron. The leakage of gas will not affect the reactivity. The gas coolant provides best neutron economy. What are the advantages of breeder reactors? It gives high power density than any other reactor. High breeding is possible. High burn-up of fuel is achievable. The operation of the reactor is not limited by Xe poisoning. What are the demerits of breeder reactor? Highly enriched fuel is required. Control is difficult and expensive. Safety must be provided against melt down. Handling of sodium is a major problem. What are the advantages of Sodium in fast-breeder reactors? Sodium has very low absorption cross-sectional area. It possesses good heat transfer properties at high temperature and low pressure. It does not react with any of the structural materials used in primary circuits. What is the working principle of magneto hydrodynamic power plant? The working principle of MHD is as like that of dynamo. Instead of solid conductor high temperature plasma is passed through the magnetic field at sonic speed. When the gas is passed through magnetic field, current is induced. Electrodes collect this induced current. What is the purpose of control rods? The control rods are used to start the chain reaction, maintain the chain reaction at required level and to shut down the reactor during emergency. What are the different types of load acting on the chimney? Its own weight which is considered to act on a single vertical force acting through the centroid. The wind pressure, which is considered to act on the horizontal force acting on the centroid of vertical projected area. What is meant by Nuclear fission? Uranium exists in different isotopes of U, ²³⁵U and ²³⁸U. Out of these, ²³⁵U is most unstable. When unstable heavy nucleus is bombarded with high-energy neutrons, it splits up roughly into two equal fragments and about 2. This process is called nuclear fission. Name the different components of nuclear reactor? State some advantages of Pressurized Water reactor? The pressurized water reactor is compact. In this type, water is used as coolant, moderator and reflector. Water is cheap and available in plenty. It requires less number of control rods. What are the advantages of gas cooled reactor nuclear power plant? Fuel processing is simple. The use of CO₂ as coolant completely eliminates the possibility of explosion in reactor. No corrosion problem. What is breeding in nuclear reactor? The process of producing fissionable material from a fertile material such as uranium U and thorium Th by neutron absorption is known as breeding. Name the coolants commonly used for fast breeder reactors? What is the necessity of Automatic controls for feed water? The electrical load on power plant varies in an irregular manner. The automatic control provided at a steam power plant successfully meets over the variable load. The automatic control for feed water is necessary since the supply of feed water depends upon plant load.

DOWNLOAD PDF POWER PLANT ENGINEERING INTERVIEW QUESTIONS AND ANSWERS

Chapter 2 : Power Plant Engineering Objective Questions with Answers - ObjectiveBooks

+ *Power Plant Engineering interview questions and answers for freshers and experienced. Power Plant Engineering technical job interview questions of various companies and by job positions.*

You have to prepare for this question. This is basically asked for confirming your knowledge and IQ. For answering this question you have to be very careful about that. Select your best and favorite subject on which you have good command. This is the question which express your way of spending the time. So be careful about this specially, if you are a fresher. You may tell that you are preparing for some career goal and other useful things which could express your sincerity about your career. On the other hand if you are working in any organization you can tell about your position and work experience. This question is usually asked to check your area of interest. Your project define your skills and your way of thinking and your understanding power. So tell the little bit basic things about your project which express the key point of project. This question is usually asked by the interviewer to know your interest about your profession. You have to give a valuable answer about this question. You can say that ,I will be the senior or chief person of my profession. In this question you can tell about the software, what you have done during the b. You have to tell about models, you have done from that particular software, such as drafting, sketcher, wire frame, sheet metal, assembly, CAM, manufacturing etc. Sources of energy are the objects, that provide energy in usable quantities. The main sources are Coal, coke, anthracite etc Liquid Petroleum and its Derivative. Natural gas, blast furnace gases.

DOWNLOAD PDF POWER PLANT ENGINEERING INTERVIEW QUESTIONS AND ANSWERS

Chapter 3 : Mechanical & Power Plant Engineering Interview Questions And Answers | HubPages

Practice Power Plant Engineering questions and answers for interviews, campus placements, online tests, aptitude tests, quizzes and competitive exams.

Name the four major circuits in steam power plant. Coal and ash circuit Air and flue gas circuit Feed water and steam circuit Cooling water circuit

2. What consists of air and flue gas circuit? Air and flue gas circuit consists of forced draught fan, air pre heater, boiler, furnace, super heater, economiser, dust collector, induced draught fan and chimney. What consists of feed water and steam flow circuit in steam power? The feed water and steam flow circuit consists of feed pump, economiser boiler drum super heater, turbine and condenser. The cooling water circuit consists of a pump, condenser and cooling tower. The coal and ash circuit consists of coal delivery, preparation of coal, handling of coal to the boiler furnace, ash handling and ash storage. What is the main purpose of the reservoir? The main purpose of reservoir is to store water received from catchments areas during the rainy seasons and supply the same during the dry season. What is the main purpose of the dam? The main purpose of the dam is to increase the height of water level and also to increase the working head of the hydraulic power plant. Why trash rack is used? The trash rack is used to prevent the entry of debris, which might damage the turbine runners and clog up the nozzle of impulse turbine. What is the use of surge tank? The surge tank is used to provide better regulation of water pressure in the system. The surge tank controls the water when the load on the turbine decreases and supplies water when the load on the turbine increases. Thus, surge tank controls the pressure variations resulting from the rapid changes in water flow in penstock and hence prevents water hammer. What is the function of Fore bay? Fore bay is considered as naturally provided surge tank. It is temporary water storage when the load on the plant is reduced and provides water for initial increment on increasing load. The pipe between surge tank and prime mover is known as penstock. It is designed to withstand high pressure. It is made up of reinforced concrete. In very cold areas, the penstock is buried to prevent ice formation and to reduce the expansion joints. What is the use of spill Ways? Spillway is like a safety valve of the dam. It discharges major flood without damaging the dam. It keeps the reservoir level below the maximum level allowed. Write about prime movers? Prime mover converts the kinetic energy of water into mechanical energy to produce electrical energy. Pelton wheel, turbine, Francis turbine, Kaplan turbine and Propeller turbine are prime movers used in hydraulic power plants. What are the uses of air filter and superchargers in diesel engine power plant? The purpose of air filter is to filter the air from dust and other suspended particles. The purpose of super charger is to increase the pressure of the engine to increase power of the engine. What is the use of draft tube? The draft tube is used to regain the kinetic energy of water coming out of reaction turbine. It enables the reaction turbine to be placed over tailrace level. What is the function of cooling system in Diesel power plant? The function of cooling system is to remove heat from the engine cylinder to keep the temperature of the cylinder in low range and extend engine life. What consists of lubrication system in diesel engine power plant? The lubrication system consists of oil pumps, oil tanks, filters, coolers and connecting pipes. The purpose of the lubrication is to reduce the friction of moving parts and also pipes to reduce the wear and tear of moving parts. What is the purpose of intercooler in gas turbine power plant? Since the power required to compress the air is less in isothermal process it is required to maintain the, temperature of air constant as far as possible. Hence the air leaving the L. Name two combined power cycles? Combined cycle of gas turbine and steam power plant. Combined cycle of gas turbine and diesel power plant. Define turbo charging in combined gas turbine and diesel cycles? In the combined cycle, the exhaust gas from the diesel engine is expanded in the turbine, which is coupled with compressor which supplies pressurized air to the diesel engine. This increases diesel engine output. This arrangement is known as turbo charging. What is the main purpose of high-pressure boilers? The high-pressure boilers are used to increase the efficiency of the plant and to reduce the cost of electricity production. State important advantages of high-pressure boilers? The amount of scale formation is less, since

DOWNLOAD PDF POWER PLANT ENGINEERING INTERVIEW QUESTIONS AND ANSWERS

the velocity of water through pipes are more. All parts of the system are heated uniformly, so there is no danger of overheating. Name important high pressure boilers?

Chapter 4 : Power Plant Engineering Interview Questions - Part 5 - Interview 4 All

Interview Questions and Answers: Power Plant Instrumentation and Electrical Engineers. Name the four major circuits in steam power plant. â€¢ Coal and ash circuit.

Chapter 5 : IC Engines and Nuclear Power Plants - Mechanical Engineering Questions and Answers

Top 10 plant engineer interview questions and answers 1. Top 10 plant engineer interview questions and answers In this file, you can ref interview materials for plant engineer such as types of interview questions, plant engineer situational interview, plant engineer behavioral interview.

Chapter 6 : 26 Power Plant Operator Interview Questions (+Answers) | MockQuestions

Power Plant engineering is a branch of mechanical engineering. Frequently asked interview and theory questions are compile here. These are the basic knowledgeable questions.

Chapter 7 : interview questions and answers about vertical mill in cement plant

Engineering interview questions,multiple choice questions,objective type questions,seminor topics,lab viva questions and answers,online quiz test pdf free download for freshers gate cat syllabus pdf

Chapter 8 : Power Plant Engineering Interview Questions - Part 1 - Interview 4 All

Practice 26 Power Plant Operator Interview Questions with professional interview answer examples with advice on how to answer each question. With an additional 26 professionally written interview answer examples.

Chapter 9 : Interview Questions Power Plant Instrumentation

What questions related to civil engineering can I expect in an interview on aluminium and power plant? What technical question for mechanical engineer in interview can be expected if vocational training was at thermal power plant?