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Interview questions and answers

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11. What is mechanism?

Ans: A mechanism is an assembly of different parts which perform a complete motion and is often part of a machine.

12. What is annealing?

Ans: It is a process of heating a material above the re-crystallization temperature and cooling after a specific time interval. This increases the hardness and strength of the material.

13. What is ductile-brittle transition temperature?

Ans: It is the temperature below which the tendency of a material to fracture increases rather than forming. Below this temperature the material loses its ductility. It is also called NI Ductility Temperature.

14. Difference between tempering and annealing

Ans: Annealing is a process in which work piece is heated up to certain temperature to get desired changes in grain / micro-structure and then allowed to cool slowly in order to relieve the stresses during work treatment. While tempering is a process where hardness and elasticity or ductility can be regular by use of heating and cooling cycle till desired properties can be obtained.

15. What are the advantages of gear drive?

Ans: Gear drive is useful for power transmission between two shafts, which are near to each other (at most of 1m distance). In addition, it has maximum efficiency while transmitting power. It is durable compare to other such as belts chain drives etc. You can change the power to speed ratio.

16. What is isometric drawing?

Ans: It is a 3-D drawing used by draftsmen, architects etc

17. What is a Process Flow Diagram?

Ans: A Process Flow Diagram (or System Flow Diagram) shows the relationships between the major components in the system. It also has basic information concerning the material balance for the process.

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Top 5 mechanical maintenance engineer interview questions with answers

Interview questions and answers

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Mechanical Engineering Interview Questions with Answers

1. **Nelson's definition:** The turbine is a machine in which a rotary motion is obtained by the gradual drainage of the momentum of the fluid.

2. **Graham's definition:** The turbine is a prime mover in which a rotary motion is obtained by the centripetal force developed into actually changing the direction of a jet of fluid (steam) escaping from the nozzle at high velocity.

Question No. 136

What is the name of a bearing that rotates at over speed?

Answer:

Over speed bearing (over speed bearing) is causing heavy loads in the bearing and the seal system. As a result, considerable amount of shroud load and tensile load head damage occurs.

Question No. 137

What is the name of a bearing that rotates in steam turbines?

Answer:

They are shallow in depth and have been located in heat grooves and other small radii at the inlet axial area along the rotor.

Question No. 138

What is the remedy for a bearing arm turbine shaft causing excessive vibration?

Answer:

1. The run-out of the shaft near the centre as well as the shaft extension should be increased.

2. If the run-out is excessive, the shaft is to be replaced.

Question No. 139

What is the remedy of the damage of a blade profile?

Answer:

Upgrading the turbine, and depending on the extent of damage, upgrading may involve:

1. Weld repair of a fractured part of the blade.

2. Replacement of damaged blades by new ones and new design.

3. Replacement of base material.

4. Application of protective coatings to guard against corrosion and erosion damage.

Question No. 140

What is the solution to the problem of SO2 corrosion fatigue of steam turbine blades?

Answer:

It involves changing the blade material as well as minimizing the presence of corrosives in steam to a permissible level.

Question No. 141

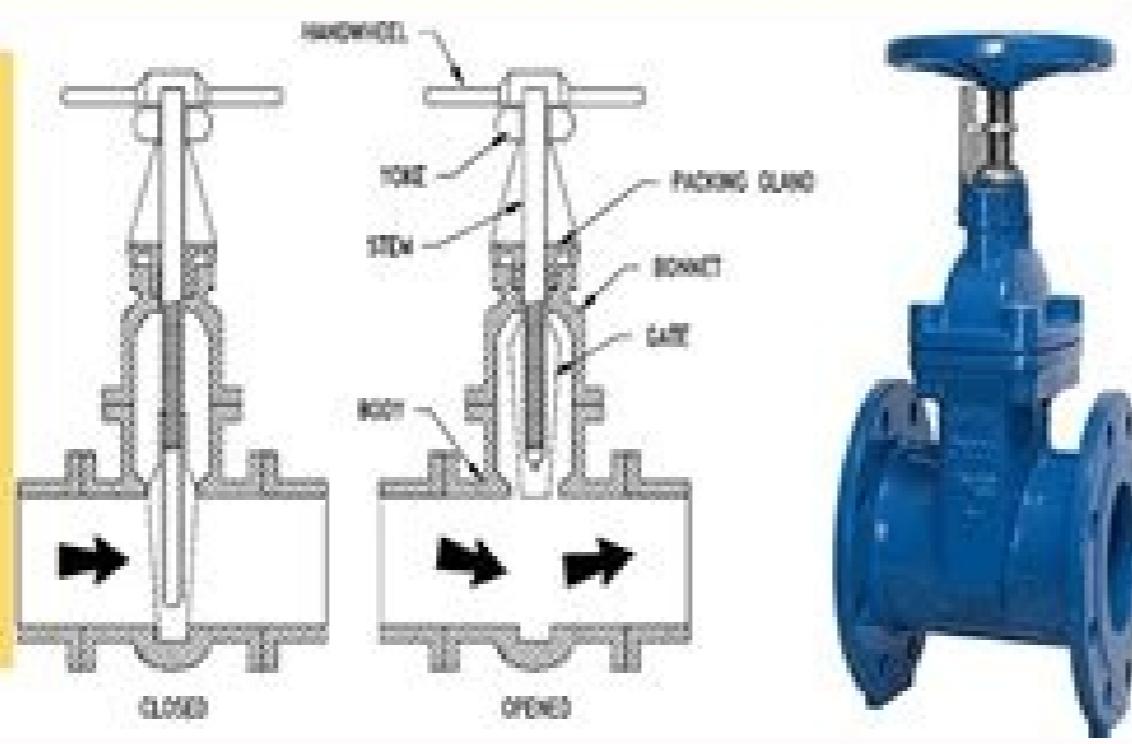
What maybe the possible causes for the safety trip to trip at normal speed?

Answer:

Excessive vibration.

Which valve use for steam line...?

Mechanical interview questions and answers...



I consulted with my colleagues and decided to use the dye to bring out cancerous components within the cells. "An improper clean work space can lead to the contamination of the sample and incorrect results, which can finish the cost of the laboratory if the tests must be repeated. How did you answer? This question allows interviewers to evaluate the teamwork capabilities of A candidate. After a few days of managing various types of analysis, I finally arrived at the conclusion that the sample must have been contaminated on his way to the laboratory. D: In addition to technical work, what duties were you responsible for a laboratory? a : The laboratory technicians must be oriented highly detailed and self-regulating to be able to satisfy their daily responsibilities. I can buy and maintain even centrifuges, titles and pH meters. - How do you make sure your work space has not been contaminated? What example you can provide? to: laboratory technicians have various important responsibilities how to determine if or not one ce LLA is cancerous or if a certain drug counteract the effects of harmful bacteria. An impure work space can also be a security concern if dangerous substances such as dangerous chemicals or infectious bacteria do not become properly dismissed. It also allows them to obtain more details in the previous work experience of a candidate as a laboratory technician. This question will help you determine if the applicant's series of skills fits the needs of your structure. See the answer Show more questions Show less questions Q: What features and skills do you have a qualified laboratory technician? However, when I confronted them with the common abnormal cell clusters, they seemed to have both the characteristics of the aznecsonoc aznecsonoc a libaugeda aizilup id erudecorp el euges :atsopsir anu ni eracrec asoC ?otacifilauq oirotarobal id ocincet nu onodner it iah Ätiliba e hcitsirettarac ilauQ .avittefni aittalam anu id azneserp al o ilaromut SAFETY Availability to keep up with routine cleaning Example: «I assure you to follow all the safety and hygiene protocols during each phase of a test procedure. They are also responsible for communicating the test results to doctors or researchers. A qualified applicant must know the workplace safety and adequate cleaning techniques. View the answer what kind of laboratory work and equipment, do you familiarize with handling? A: Experiments and tests are not the only types of work that laboratory technicians will do. Laboratory technicians also have severe sealing requirements of registers and must carry out inventory and waste management tasks as well. R: In the laboratory, the results can sometimes deviate from how things are in the textbook. I also played the role of inventory manager and I was responsible for ordering supplies when necessary. «D: Do you feel at ease to ask each other when you have problems diagnosing anomalies with a sample? Laboratory technicians can work alone or collaborate with others in research groups and therefore they must also possess good communication and writing capabilities. Candidates must demonstrate experience in these crucial sectors. The answer will give you understanding how a candidate is able to solve unique situations alone. I also keep up to date on all programmed maintenance and cleaning work of the laboratory to make sure there are no contaminants present in the environment. «Question: Tell me about once you have detected a problem during a sample test. I excellently work on my own, but I can also work as a member of a team when needed. «Q: What kind of laboratory work and equipment did you familiarize with manipulation? What to look for in an answer: Capacity of Problems Availability to persevere until you find a response of mental flexibility Example: «Once, I was testing a sample that showed a very different liquid spectrometry-spectrometry chromatography impression from any control sample for that sample. It is important for a laboratory technician having mental control yrotnevnI ecneirepxe gnipeek-droceR :rewnsa na ni rof kool ot tahW .serudecorp dna ygolohcet htiw ecneirepxe bal suoiverp rieht liated dna eman ot elba eb dluohs yehT .tneitap lacidem a rof sisongaid reporp a enimreted ro ecneics etavele ot si laog-dne eht esuaceb slanoissefpor ecneics dna snaicinhcet bal rehto htiw gnitlusnoc elbatrofmoc leef ot tnatropmi yllaer s'ti kniht I ,seY" :elpmaxE :rewnsa etadidnac ytilauq a fo elpmaxe eno si ereH srekrowoc s'eno rof tcepseR noitacinummoc labreV ycarucca ot tnemtimmoC :ezisahpme dluohs rewsna s'etadidnac A .ecneics retupmoc ni ronim a dna yrtsimehc ni eerged sÂÂçrolehcab a htiw laudividni detneiro-liated a mÂÂçIÂÂç :elpmaxE laudividni desucoF sliks lacinhcet dna ciftneics gnittes puorg a ni ro enola krow ot ytilibA :rewnsa na ni rof kool ot tahW .scinortcele dna sretupmoc fo esu eht ni lliks lacinhcet sa llew sa ,ygoloib dna yrtsimehc ,secneics eht rof noissap dna dnuorgkcab gnorts a evah tsum yehT ?bal a ni rof elbisopser neeb uoy evah seitud tawh ,krow lacinhcet naht rehtO rewsna eeS .noisulcnoc etinified a ot emoc t'nac yeht nehw noinipo dnoces a rof gniksa elbatrofmoc leef dluohs dna sgnidnif rieht fo niatrec eb ot deen snaicinhcet bal ,nosaeer siht roF .suorecnac erek yeht fi enimreted ot yspoib a morf sllc niks gniweiver saw I emit enO .bal ruoy ni esu ni eb lliw taht tnempiuqe dna ygolodoitem cificeps eht htiw railimaf eb dluohs tnacilppa deifilaq A :A .atad gnidrocer dna snemiceps no stset fo yteirav a gnimrofrep ,yduts rof selpmas gniraperp ta tneiciforp emoceb evÂÂçI ,krow yrotarobal fo sraey ym tuohguorhTÂÂç :elpmaxE ecneirepxe erÂÂçyeht seitud baL gnisu elbatrofmoc erÂÂçyeht tnempiuqe cificeps :rewnsa na ni rof kool ot tahW .ycneiciffe yrotarobal rof laicurc si aera krow naelc A :A .dennalp sa tuo emoc ton od stluser nehw noitautis a evlos melborp ylevitceffe dna xob eht fo edistuo kniht ot Enable Availability to perform an example of auxiliary roles: ¢ â¥ "During my lab stage, I was responsible for keeping records of samples and specimens. samples.