

# CIVIL ENGINEERING INTERVIEW QUESTIONS AND ANSWERS FOR FRESHERS pdf

## 1: Top + AutoCAD Interview Questions - Best AutoCAD Interview Questions and Answers | Wisdom Jobs

*Civil Engineering interview questions and answers for freshers and experienced - List of Civil Engineering questions with answers that might be asked during an interview 25 civil engineering interview questions and answers.*

In the design of bridge arguments what considerations should be made to select the orientation of the wing walls? Some of the most common arrangements of wing walls in cases of bridge arguments are as follows: This method is considered to take least amount of time to build and is simple as well. But on the downside this method is not the most economical. The advantage of this type of design being that they cause the least amount of disturbance to the slope embankment. This design method is considered to be the most economical in terms of material cost. The characteristic of this design is it provides an alignment continuous with the bridge decks lending a support to the parapets. In case of concrete box girder bridges how is the number of cells determined? One should also note that even in the cases of wider bridges where their depths are comparatively low the number of cells should be minimized. This is so as there is noticeably not much improvement in the transverse load distribution when the number of cells of the box girder is higher than three or more. Under what circumstances should pot bearings be used instead of elastomeric bearings? Pot bearings are preferred over elastomeric bearings in situations where there are chances of high vertical loads in combinations of very large angle of rotations. Elastomeric bearings always require a large bearing surface so that a compression is maintained between the contact surfaces in between the piers and the bearings. This is not possible to maintain in high load and rotation environment. Also the usage of elastomeric bearings leads to the uneven distribution of stress on the piers. This results in some highly induced stresses to be targeted at the piers henceforth damaging them. Due to the above reasons pot bearings are preferred over elastomeric bearings in such cases. Why should pumping be not used in case of concreting works? During the pumping operation the pump exerted pressure must overcome any friction between the pumping pipes and the concrete, also the weight of the concrete and the pressure head when the concrete is placed above the pumps. Since only water is pump able, all the pressure generated is by the water that is present in the concrete. The major problem due to pumping are segregation effects and bleeding. In order to rectify and reduce these effects, generally the proportion of the cement is increased in order to increase the cohesion, which leads to the reduction of segregation and bleeding. Also if a proper selection of the aggregate grading can vastly improve the concrete pump ability. Why should curing not be done by ponding and polythene sheets? The primary purpose of curing is to reduce the heat loss of concrete that is freshly placed to the atmosphere and in order to reduce the temperature gradient across the cross-section of the concrete. Ponding is not preferred for curing as this method of thermal curing is greatly affected by cold winds. In addition to that in ponding large amounts of water is used and has to be disposed off from the construction sites. Polythene sheets are used on the basis that it creates an airtight environment around the concrete surface henceforth reducing the chances of evaporation over fresh concrete surfaces. But the usage of polythene can be a drawback as it can be easily blown away by winds and also the water lost by self-desiccation cannot be replenished.

# CIVIL ENGINEERING INTERVIEW QUESTIONS AND ANSWERS FOR FRESHERS pdf

## 2: Civil Engineering interview questions and answers - part 2

*TOP CIVIL ENGINEERING Interview Questions and Answers Posted on August 19, September 22, by engineer Comments civil engineering interview questions and answers pdf download for freshers experienced basic civil engineering Questions site multiple choice questions diploma objective ebooks.*

On this page you can get questions and answer by which you can easily crack your exam. All the questions are well structured by team of recruitmentresult. How do you measure concrete? Cubic feet, Cubic yards, Cubic Meter 2. Which is stronger solid steel rod or hollow steel pipe? On the basis of per pound, for bending steel pipe is stronger and is less likely to buckle in axial compression. What is the tallest man made structure in the world? The Burj Dubai, which is meter tall is the tallest man made structure in world. Aggregate is the component of a compound material used to resist compressive stress. What year was the keystone power plant in Indiana County constructed? What is the force exerted by the Tacoma narrows bridge? Initially it was the wind resistance, which was exerted force to the Tacoma narrows bridge. The wind resistance caused the whole bridge to act as a system with forced vibration with damping. What are the functions of a column in a building? The use of column is to maintain the weight of the roof or upper floors. Now days, in homes and building many columns are used as pillar for decorative purposes. A column are there in the big building then it will be more strong and can easily support a lot of weight. What is the quantity of cement in Mix M20 concrete? For nominal Mix Cement consumption for M25 will be kg per cum. Difference between routine maintenance and major maintenance for school facilities: Routine maintenance is to do minor repairs in the school campus, while in Major maintenance is like total rebuilding or renewal of the school. In sailing, the ropes used to move the sails around so the boat will move in the right direction when the wind blows. How do we calculate absolute pressure? Absolute is equal to gauge pressure plus atmospheric. What is a kip? What materials were used to build the Golden Gate Bridge? Steel and concrete are the materials were used to build the Golden Gate Bridge. What is diversion tunnel in a dam? When a dam is to be built, a diversion tunnel is usually bored through solid rock next to the dam site to by pass the dam construction site. The dam is built while the river flows through the diversion tunnel. What is soil analysis? To determine the nutritional and elemental composition of soil, soil testing is done. It is called Soil analysis. It is generally tested to know about the contents of nitrogen, potassium and phosphorous.

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## 3: Job interview questions and answers for freshers

*Basic Civil Engineering Questions and Answers - Tests on Stones Posted on September 15, by Manish This set of Basic Civil Engineering Interview Questions and Answers for freshers focuses on "Tests on Stones".*

Can you tell me something about yourself? This is one of the most common interview questions asked during interviews to break the ice. Prepare a short and to-the-point answer talking briefly about your education, family, interests, and hobbies. What motivated you to choose this field of work? If you have friends or relatives working in the same field, take guidance from them. They can help you prepare an answer on the basis of their own experience and knowledge of working in the field. It is always best to give an honest answer to such a question. Where do you see yourself in the next 5 years? The best way to answer this question is to state your desire to learn as much as you can. Tell me about a challenging situation and explain how you handled it? If the interviewer has asked you about your strengths then this question is asked to judge how good you are actually. Talk about a challenging real-life experience from college and explain how you turned it around using tact. It will surely impress your interviewer. Why should we hire you? You can prepare a generic answer based on simple qualities such as you being a quick learner, flexible, team player, etc. Organizations truly value such qualities in candidates. What do you know about our company? Information is easily available on the Internet these days. When you know everything that you need to know about the company, you will answer with a lot of conviction. Plus, it shows that you are genuinely interested in working with the company. Talking about the positives is easy once you have researched well about a company. However, when asked about the negatives, refrain from using strong words or saying too much. If the company was in the news for negative reasons, talk about it briefly, but keep a neutral ground stating you only know one side of the story which is not enough for forming an opinion. What expectations do you have from your first job? The interviewer wants to know about the vision that you have for yourself. However, you can also add generic things like paying off your education loan, contributing to the society, etc. Why do you want to work for our company? It is best to say that you believe the company has a great scope for growth and you will learn immensely by associating with them. Do you have a referral in our company? This interview question is asked to check if you are aware of the company culture. If your answer is yes, the employer will be assured that you are motivated enough to join the company and might even stick for long. Are you ready to relocate? Discuss with your family about this and ponder over it yourself before deciding upon an answer. Usually, recruiters ask about your location preference at the time of screening. Will you be willing to change your work profile if a project demands so in the future? Therefore, it is advisable to be open to new experiences and opportunities. Think seriously about the options available as well as about your preferences before deciding to change your work profile. So, tell the interviewer that if a change in profile means great professional growth and feels right to you then you will definitely think about it. Are you open to working in shifts? If not, it is not compulsory to say yes. You can answer honestly. The job role requires one to travel frequently. Will you be okay with that? If you are not facing any personal problems or health issues, you should be psyched about joining a company that is offering you the opportunity to travel for work. However, give your answer only after carefully considering all the factors. Do you have any questions for us? It gives a very negative impression that maybe you are not interested in the job. Read More There are numerous online resources available that provide common interviews questions with answers for freshers. However, you cannot succeed with a set of answers readily available to you. The most important thing is to understand the kind of answers interviewer wishes to hear from their candidates. Base your preparation on the tips shared above and there is nothing that can stop you from landing your dream job.

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## 4: Civil Engineering Interview Questions For Freshers - Daily Civil

*Civil Engineering Interview Questions with Answers pdf - Technical & HR Civil Engineering Questions - Candidates who are a Civil Engineering professional whether they are fresher or having relevant experience under their professional belt, need to go through the Interview for securing a new job opportunity under any firm.*

Important Civil Engineering Interview Questions: What are the steps involved in the concreting process, explain? Describe briefly the various methods of concrete curing. What is the minimum curing period? What is Water-Cement Ratio and How it is related to the strength of concrete? What is a bearing capacity of soil? How to increase the bearing capacity of soil? What are the different types of foundation? Explain moment of inertia and its importance. How do we determine the specific gravity of a cement? Density Of 1 cum cement? What are the causes of building collapse? Why is concrete cube test carried out? Why is concrete slump test carried out? What is bleeding, segregation, honeycombing of concrete? What is pre-stressed concrete? Which reinforcement is used in prestressed concrete? What is the ratio of steel and concrete to use in slabs, beams, columns? Difference between pre-tensioning and post-tensioning? Civil Engineering Interview Questions: What are the weights of 16mm, 12mm, 20mm, 25mm, 8mm Dia. What are the advantages of Prestressed Concrete over R. Quantity of materials required for different works. Which is stronger solid steel rod or hollow steel pipe? Why we provide steel in concrete? Is brick strength more or concrete block? How many bricks are there in cft? How to calculate the unit weight of steel bars? What is Plinth Level and Sill Level? What is Brest Wall? What is Brick crushing strength PSI? How many are the types of joints? How can cracks in concrete be avoided? How much is the cover for slab? What is fineness modulus? What is Packing Factor? What do you mean by Fe? What are the functions of a column in a building? How many feet are in 4 square yards? What is the average density of soil? What is the ratio of Grades M5, M7. Why foundation is provided? The concrete slump recommended for beams and slabs; is- What is the meaning of soil reinforcement? What is the different type of slump test indications? What is buckling or crippling load? What is its effect on the design of compression member? Shear force and BM diagrams for different types of loadings on beams. Difference between mild steel and HYSD bars? What is differential settlement? What do 53 stands for in grade cement? How do you construct a 25 storey building with no columns? Types of loads on structure? Difference between volume and weight batching? How is a theodolite leveled? What is a benchmark? Name the different types. What are the CAD softwares you have used? Interpret a strss vs strain curve. Define modulus of elasticity. What are the chemical compositions of cement?

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## 5: L&T Interview Questions For Civil Engineers - Engineering Hint

*Civil Engineering Interview Questions And Answers. Candidates who want to prepare well for Civil Engineering Interview are most welcome here because here you can get information about Civil Engineering Interview Questions And Answers.*

AutoCAD software provides the design and the shape for the products that needs to be created. It provides flexible and user friendly features with the tools to design the applications and document the workflows. This involves aggregate and import models for the formats and usually allows the design to get created without any change in source model. It provides tools to provide the formats by detailed designing the layouts and drawings using the views automatically. It also has the provision to create detailed design layouts and views can be drawn automatically using the source model. AutoCAD software is used to draw and design the documents and the applications with easy customization options. AutoCAD provides a platform to be used by professionals to create the designs and 3D models. It allows the creation of the professional technical drawings and conceptual designs used for representation of the logics. It allows the drafter to provide the finishing touches and designing with the detailing and linking to the online data. It provides suppliers or operational professionals to review the drawings and modify it according to the requirements. AutoCAD is used to create the computer aided designs or software applications including drafting. AutoCAD develops the application in both the 2D and 3D formats and provide the information to the application. AutoCAD provides tools to design the softwares used in the industry, architects and project management. It provides an easy way to design the software with the designs and architect it according to the need. There is a use of native format like. The file format that is interchangeable has the extension as DXF and it provides the data operability. It provides a way to use the files that are active. It provides a way to estimate the total number of active. It provides languages that can be used and the localization part of the software can be modified to meet the requirements. AutoCAD uses the vertical integration program to enhance the architectural designing of 3D objects. The 3D objects can include walls and other things that are associated with the data having intelligence and association with the simple objects like lines and circles. The data is programmed such that it represents only the architectural products and the extracted files. The information for the data and the actions on the like modifies and creates the relationship of an object. It consists of the tools that allow the estimation and other objects related representation in the 2D drawings. The elevations and sections used as a 3D architectural model specifies the standard calculations used in creating applications. AutoCAD uses lots of variants including the releases that provide capabilities to build an application. The 3D capability that is being provided by the AutoCAD gives fewer rises to the releases of the applications. Variants are used to increase the variations present in the application or the package used in particular program. AutoCAD provides variants that help in creation, visualization and rendering of the 3D models that provide the 3D printing as well. Variants provide a way to use different functionalities of the function in the application and execute it according to the needs. Management and automation capabilities: The user can easily share the applications wherever they go on fly and it makes creating application less time consuming. The applications can be downloaded and installed from many other places that require licensing for the mobile applications. The users can save the file in whichever way they want and the application can run on any platform. AutoCAD applications provide a way to let the user share information on cloud and use the technology to enhance more features. It requires the improvements to be made on the ports so to provide the easy accessibility to the applications and devices. The changes have been made to suit the environment and it included: The user interface can be created by using the command prompts to draw the plots and dialog boxes. The user interface creation also requires the command line to display the entire file so that it can be easily customized or edited. AutoCAD allows the file to be written in multiple instances of the processes and it limit the resources that needs to be used as well. When a new line needs to be drawn the process opens up another file in a new session to write the file.

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AutoCAD allows saving multiple drawings to be saved for each session and it can be used to create the application. The files are saved by using the file extension as. The file extension needs to be hidden and it needs to show allowing the selection of the option as well. The file modification takes place by checking the AutoCAD operations and opening up of the drawing. The empty layers can be removed from the drawing by using the all objects residing at once place. The references of the layers are also removed so that it appears to be empty and can easily be created. The layer can be made frozen on the viewport that is visible to the object and provide the definition of the object too. AutoCAD have the place for button icons in the toolbar and tool boxes that it gets replaced with the smiley. AutoCAD provides the buttons for the template files that can be edited after customizing the toolbars. The changes are being provided by the template files that can cause the menu resources and allow the creation of files according to the requirements. To use smiley instead of buttons following steps are required and needed: Open the AutoCAD menu and edit the button file using the bitmap file that is saved in the support path. Move or copy the icon files that are used for different menus toolbars and open it according to the menus chosen. The button properties can be seen and an editor dialog box will be given according to the save as button. The directory is specified with the supported path and the Apply button properties are also being given for the AutoCAD properties. AutoCAD identifies the problem and correct it by removing the corruption with the drawing parts. It involves adding of the vertices to the poly-lines with a provision to add additional vertices. The poly-line provides only the provision of using one vertex and the vertex can be added on run. The corruption can be neglected or corrected by finding out the exact location of the poly-line that has zero vertices. The objects can be deleted after there is no use of it or can be removed if there is no use of them in the system. AutoCAD provides a way to drag and drop the elements by the use of noun and verb that allows the object to move from one place to another. AutoCAD provides an option to rotate or erase the selected object and allows the action to be taken on the application. Default drawing directory is the one that involves sub directories containing the information using the windows commands. The application can be highlighted that needs to be built in and then drag and drop features are used to place the application. The properties of the application are selected from the menu and dialog boxes used to display it on the front. AutoCAD uses the directory system to use the commands like OPEN that allows the selection of the files and create the shortcut in default directories. Copying the dimension of styles from one drawing to another requires setting up the particular dimension style. Setting up the dimension style also requires the use of documents and creation of the styles while using the blank document. The document is saved by using the document as a Drawing template and then new references gets created by the template document. Templates define the system variables that can be consistent across all the platforms and provides the drawings like layer styles, units and blocks. It can be copied by copying the styles on single case basis and the drawings can be done by seeing the current drawing. Using of the design center makes it easy for the AutoCAD tools to allow the browsing and copying of the styles and other drawings activities. The copying of the closed drawing takes place from the toolbar provide in the design center of the AutoCAD. Design center allows the modification of the drawing to be done using the graphical interface. Open drawings are given to display the content and copy the closed drawings easily by using the Tree View option. The drawing is involved with the drawing elements that can be copied with the defined objects that have the similar type. Dim style gets copied from one to another and it provides a drag and drop feature that gets opened into an open document. The prevent layers used using the plotters for plotting provides the layer manager that allow easy options to customize the application. The layers used in layer manager have specific options like: Individual layers can also be set up in specific viewports that allows drawing of the layers that contains the systems applications and options. It uses the viewport concept that allows the different layers to be frozen on the view port and this way it can be hidden from other layers. Why Autocad Software Is Used? The shape and design of the products that is required to be created is offered by AutoCAD software. This software offers features that are user friendly and very flexible with some specific tools to develop applications and the workflow is documented. Aggregating and importing models is involved in it and most commonly permits to develop design without making any

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changes in the original model. It offer some specific tools to present formats by designing layouts in detail and views can be used in drawings automatically. Also, it has some specifications to develop detail design layouts and automatically views are drawn by making use of original model. AutoCAD software is responsible for designing and drawing the documents and applications with simple customization options. A platform is offered by AutoCAD for professionals to generate attractive designs and some 3D models. It permits conceptual designs and qualified technical drawings formation that is effectively used for logical representations. It permits drafter to offer designing and finishing by connecting to online information. It offers operational experts or suppliers to evaluate drawings and change it according to the necessity. Mainly, AutoCAD is responsible for developing designs that are computer aided or some software application that contain drafting. Some specific tools are offered by AutoCAD to develop software used in the market, project management and architectures. It offers best way to develop software with designs and build it according to the requirement. There is native format use such as. The format of file that can be exchanged has DXF extension and it offers data operability. It gives a method to use active files.

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## 6: Civil Engineering Interview Questions Set- 1 updated on Nov

*Civil Engineer Interview Questions 7 Civil Engineer Interview Questions and Answers Whether you are preparing to interview a candidate or applying for a job, review our list of top Civil Engineer interview questions and answers.*

What are your weaknesses? Do you possess leadership skills? Are you a good manager and a good follower? How do you react to criticism? What makes you different from the other candidates? What if you select both the companies? Why are you the best candidate for the job? What do you feel about the present state of the industry? What important trends do you see in our industry? What did you do in your internship? What qualities do you think are required in this job? What salary do you expect? We do not offer very high salary at entry level position. Do you still want to work with us? Do you have any question to ask us? Also watch this video to listen to the interview questions Section Two: Did you have any problem finding our office Suggested Answer The interviewer usually asks this question to make the candidate comfortable. You can smile and answer this question by saying: Get Full Details Question2: How are you today? Answer Tip This shows that the interviewer is quite caring and polite. He or she wants to put the candidate to ease before getting down to serious business. Tell me something about yourself Understanding the question Actually this is many questions in one. Also this is a broad based question. Therefore, there cannot be a single best suggested answer. At the same time this is perhaps one of the most commonly asked question in the beginning of any interview. Keep in mind that your answer to this question will set the pace and mood for the rest of the interview. Tips for answering You may begin with the farthest and come to the nearest. Such as briefly touching about your high school subjects or stream you can talk about your graduation and post graduation degree, college and university. Take a pause here to study the body language of the interviewers. If they are giving a signal to you to go on then you may briefly talk about your strengths and interests. Do not go beyond that. Here is a model answers to help you make your own script. Thank you for give me an opportunity to introduce myself to you. I am Your Name. Currently I am living in Name of City. Now about my Education Qualificationsâ€¦. I have just completed my 4 years B. Now I something about my family background. We are a family of six members in which are my grandparents, my parents and my younger sister. My sister is studying in school. My strengths are Being self motivated and punctual are my strengths. I am passionate about photography so I am an amateur photographer and have displayed my work twice in the photography exhibitions in the city. Why should we hire you? The recruiter would be happy to listen from you as to how you can add value. You should carefully mention what you bring to the table which matches with the job profile and the specifications. Your answer point by point answer could be in terms of your qualifications, experience, skills and special achievements which you bring with you. Be careful not to make any direct or indirect comparison with other candidates. Since you are a fresher do emphasize that you are able to grasp new things quickly and are a good team worker with a flexible attitude. Employers do want to see such qualities in a fresh graduate. Why do you want to join our company? OR Why are you interested in a position at this company? Understanding the interview question The hiring manager is interested to check that have just strolled in to his office to sit for the interview and take a chance or you are serious about the company. Answer Tip You should not think of the answer when asked. Before going for the interview with the particular company do some research and gather the information such as: What is the history of the company? What is the position of the company in the Industry? What is the current business and turnover? How does this company differ from the competition? What are the things about the company that attract you? What interesting innovations has the company introduced in the recent past? Now you can script your answer somewhat following lines Do you need Interview Coaching? The general impression in the campus is that the work environment provided by the top management of the company is very encouraging and stimulating. Employees already working here feel proud to be part of the company as company provides full support to its employees in a professional manner. Hence I feel that I would have good start of my career and also get an

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opportunity to show my talent. What do you know about our company? Answer Tip This question has the same objective of the hiring manager as the previous question. Hence the same set of suggestions by us hold good here also. Hence do your homework thoroughly before you go to interview. Whether you are an Engineer or MBA; fresher with no experience or having some experience, you should know about the company, its business operations, areas of activities as you are going to work for this company. So go on internet and check if the company has this company been in the news lately? Who are the people in the top management? Look for new programs, projects, new products. Check out any press releases Your background work will make you stand out as someone who comes prepared, and is very keenly interested in working for the company and the job. Sample Answer You are a large conglomerate and respected worldwide. I am also very impressed by the corporate goals, mission statement and objectives. You are the top telecom products firm in the United States. You ensure that your employees are empowered with the tools they need to stay competitive and sharpen their skills while working in a friendly, team-based environment. I have also learnt that company provides a mentor for all new employees. Hence I would love to embrace an opportunity to work with a great employer like you. What are your hobbies? What do you do in your spare time? Tips and suggestions for the answer While the first question is straight and when you are asked the second question, you may want to bring up hobbies that will help you succeed at work or enhance your personality. So you may mention about hobbies that keep you active like cricket, tennis or cycling. You may also mention about any volunteer work that you do. This shows that you have concerns for the society besides yourself. Of course, never about partying and drinking because this may make you seem too immature for the position. A good answer to the question may look something like this: In my spare time I like to make sure that I keep myself occupied in some creative ways. I enjoy playing tennis and going hiking with my friends. I like to stay sharp by reading trade journals, solving crossword puzzles and studying French language. I also like to relax with a short walk after dinner. Tell me something about your values. OR What are your workplace ethics? It is a simple and easy question and your answer should be equally straight and simple. Tell about your work place values such as your integrity, your character and your work ethic etc. It would be better to recall your research about the company and their corporate values " so that you can talk about which as your own values that align with theirs. Now, please note that it is not being suggested here that you lie and just tell them what they want to hear. Sample Answer I always try to do the very best that I am capable of since my employer is paying me for it.

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## 7: 7 Civil Engineer Interview Questions and Answers | [www.enganchecubano.com](http://www.enganchecubano.com)

*Top 50 Interview Questions and their answers for Freshers (Q1 to 10) 1. Tell me about yourself The most often asked question in interviews. You need to have a short statement prepared in your.*

What are the functions of a column in a building? What are the uses of Groynes? What are the strongest shapes in the building? How many feet are in 4 square yards? What is the average density of soil? What is the ratio of Grades M5, M7. How do you compute the volume of airflow? Who designed the city of Washington DC? How do you maintain water pressure? The mixture of different ingredients of cement is burnt at Q The foundations are placed below ground level, to increase Q The portion of a brick cut across the width is called Q The concrete slump recommended for beams and slabs; is Q In jack arch floor, the rise is kept Q What is absolute pressure? What is the meaning of soil reinforcement? Minimum size of the particles of silt soil, is Q Under reamed piles are generally Q Describe briefly the various methods of concrete curing. Sometimes the side of concrete bridges is observed to turn black in color. What is the reason for this phenomenon? What reinforcements are used in the process of prestressing? What are the functions of grout inside tendon ducts? What is the different type of slump test indications? Is it worthwhile to carry out tests on particle density of soil particles for geotechnical design? What are the main reasons for conducting pull-out tests for soil nails?

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### 8: 25 civil engineering interview questions and answers - freshers, experienced

*Therefore, for all of you with no experience or less experience, we bring Job Interview Questions and Answers for Freshers. Best Way To Prepare for Job Interview There is a constant thought in one's mind - what could be the questions that the interviewer is going to ask me.*

Tech in civil engineering plz construction knowledge give me Monu Kumar I have two year experience in construction.. I have a interview of hundustan copper ltd.. So pls send interview tips my email Thanks Naresh kumar I have completed my M. Please let me know what kind of questions asked frequently, based on my field. Now i am going to face interview. So plz send me interview questions about civil engineering Dhanasekaran Now im going to UAE for searching job. So, i want a idea about interview Q and methods. Dear sir send me all important interview questions according road construction work. Devendra kumar Dear sir I have completed my diploma in civil engineering. Mohd Akram So can u please send me come question which is asked in interviews and i want to join a company as a Site Engineer. Rachit Agarwal Going to face some site engineering interview s of civil. Vishnu vikraman I am a civil enginner. So kindly give me advice how to improve my knowlege on field as well as on site and tell me any good publisher book which support me too. Saurabh Patel I done my BE in civil I need a job so plzz help me yamuna s p I am intrested to do job after my coplition of my course. So, any one could help me can contact me at my gmail rebegangte gmail. I am interested to do job in construction field.

# CIVIL ENGINEERING INTERVIEW QUESTIONS AND ANSWERS FOR FRESHERS pdf

## 9: HR Interview Questions for Freshers with best Answers and Examples

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

What are advancements in civil engineering? Unlike other fields of engineering, the major advancement of the field has been in the early years of the century before the last century where the use of concrete technology is advanced. The use of cement as a construction material is since the turn of the last century, improvement in the field increase by the use of steel elements in the construction of buildings and bridges of various types. With the help of two, it was possible to do multistory buildings in the world. Machineries were created to speed up the construction structures. The last century has also seen the advent of sophisticated design to withstand the effect of earthquake that was not possible before. With the use of computers, development of model and analysis of structures under the effect of loads was made possible. Before just two decades, it used to take months and months to design high-rise building and big bridges. Now it is a matter of hours. Why is the statue of liberty made of copper? Copper is a very durable material when exposed to weather and is soft enough that it can be easily molded to curved shapes such as those in the Statue of Liberty. It is also traditionally used in buildings for complex roofs, so there would have been trades people available trained to use it. Other metals that can be molded are lead but it does not have the attractive verdigris color, and gold much is more expensive Are cruise ships built for the transatlantic run? The Queen Mary 2 was built for transatlantic crossings, but much smaller ships can make the crossing easily. Just about any seaworthy passenger ship can navigate the Atlantic safely, if not comfortably. Define What is diversion tunnel in a dam? When a dam is to be built, a diversion tunnel is usually bored through solid rock next to the dam site to bypass the dam construction site. The dam is built while the river flows through the diversion tunnel. What distance in meters on the ground is the equivalent of one second of arc in longitude or latitude? One minute of arc as measured at the center of the Earth covers one nautical mile on the surface of the Earth at mean sea level. One nautical mile is feet or Lines of latitude are at regular intervals parallel to the equator. Therefore at all latitudes 1 minute of latitude spans 1 nautical mile on the earths surface. Lines of longitude converge at the poles. At the equator, the distance spanned by 1 minute of longitude would be 1 nautical mile. At the poles, it would be zero. To calculate the actual distance on the surface of the earth between two points of known latitude and longitude requires knowledge of spherical trigonometry to calculate the great circle distance between the two points. The distances quoted are for the surface of the earth at mean sea level. Distances will be increased above sea level and reduced below it. How do you maintain water pressure? If you have water pressure and wish to maintain it, do not cause flow in the line, which will reduce pressure due to friction. To keep pressure up, reduce friction by increasing the line size or eliminating some other restriction. What are some facts about concrete? Actually, drying is not directly linked to hardness in concrete. After concrete is poured, putting it in a wet environment by spraying it constantly with water will hasten its hardening and its curing. After concrete cures, it is hard. Define Who designed the city of Washington DC? Where is the worlds longest elevator and how long is it? Gold mines in South Africa go a few kilometers below the surface. The depth of the mine is well over m from the surface and is getting deeper. The lift itself descends m to a point m below sea level. It takes 4 minutes. How many kilo-Newtons equals kilogram? When the kg are at rest, on Earth with gravitational acceleration 9. How is the Leaning Tower of Pisa supported? In the same manner, it was supported when it was constructed. In the last couple of decades, the responsible parties rolled up their sleeves and removed something approaching 40 meters<sup>3</sup> of earth from under the higher side of the structure. This had the effect of straightening it toward the vertical by about a foot and a half at the top. For the first time in its history, it is no longer moving. In addition, in the good-news corner of the paper is that it is open to the public again. In addition, the folks who lived near the tower in the direction it was leaning have returned to their homes and do not have to sleep with an eye and an ear open. What does civil engineering mean? They do

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many interesting things. Their job has to do a lot with design and construction. They can tell you what works and what will not for all sorts of situations. There is a lot of mathematics involved along with many other disciplines. They have to have a good solid understanding of how the environment works and how nature interacts with man made. They are probably best known for designing bridges, interstates, skyscrapers, canals, and so forth. How long does it take concrete to harden? It takes 28 days to cure. What is the biggest dam in America? How does siphoning work? Pretty good if the outside hose is a lot lower than the inside hose. The siphon works by a hose stuck in a fluid container higher than the receiving container. Suction is shortly placed on the lower side of the hose until the fluid is flowing down the down line. Gravity will cause a continued flow. Why was the Empire State Building made of steel? Strength—Steel is very strong Flexibility—Ability to flex in the wind Cost—Inexpensive and fast to build; prefab construction Concrete, a possible alternative, has less compressive strength than steel. The bottom support structure of the empire state building would consist of a large percentage of solid concrete simply to support the weight of the building. What is the quantity of cement in Mix M20 concrete? For nominal Mix Cement consumption for M25 will be kg per cum. Define What is unit weight of normal concrete? What is the difference between shear and tensile strength? Tensile Strength for a Bolt is determined by applying a Force along its long axis. Shear Strength for a Bolt is determined by applying a Force across its diameter, as it would be loaded in a lug joint. How many Pyramids in Egypt? Would you cause a gallon drum of water to weigh more by climbing in? A person will sink in water if he is not holding enough air in his lungs to keep him floating. Therefore, the person weighs more than the amount of water that he will displace. Who built the sears tower? While he did not build the structure he died in 1910, there is some evidence the idea was suggested under a different name Illinois Building by Frank Lloyd Wright, one of the few true skyscrapers in which he had a role. The original design for the Illinois Building would have topped off at 5, Feet! The Swears tower is a quarter of this at most, but there are similarities. At what point does a circle start losing area when being flattened? The area ratio decreases slowly at first then more rapidly. Not hard to graph this but you will have to write the area of the ellipse in terms of the circumference. How do you compute volume of airflow? Orifice meter is used for measuring flow rate air. Define What is made from large rocks, which protects the base of cliffs? Why are the bolts that hold steel rails together in oval holes? It has to do with the design of the bolts. The reason that head of the bolt is oval. The head of a bolt fit flush into the bar and set in opposing sets is so that a piece of dragging equipment will not shear off all the bolts in a joint but rather the just the nuts one side. As a result, if the hole were not oval on one side there would be no way to tighten or loose the bolts in a joint. Define What are the materials used in building a gravity dam? There are many gravity dams constructed of compacted earth. High dams are generally concrete. All dams require a spillway to be safe.

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