CIVIL ENGINEERING INTERVIEW QUESTION AND ANSWER IN BANGLA

What questions should I ask in a civil engineering interview?

How can I introduce myself in a civil engineer interview? Tell me about yourself? SUGGESTED ANSWER: “I am a professional, hardworking and resilient civil engineer who takes great pride in not only the quality of work I produce, but also the consistently high standards I aim to achieve for my employer.

How do I prepare for a civil interview?

What are the experience questions for civil site engineer interview? You can expect the following civil site engineer interview questions about your work experience: Can you describe your experience leading a construction team on-site? What is your method for ensuring that the project progresses on schedule? What has been your most successful project to date, and why?

What are the 3 questions an engineer has to ask? What do I want next? What do I want to learn next? Who do I want to learn from?

What are the 3 important questions engineers ask themselves?

Why should we hire you? A: When answering, focus on your relevant skills, experience, and achievements that make you the best fit for the role.You should hire me because I am a hard worker who wants to help your company succeed. I have the skills and experience needed for the job, and I am eager to learn and grow with your team .

What skills does a civil engineer need?

What are your strengths and weaknesses? Generally, you should mention a strength that highlights skills that are relevant to the role or industry you're applying for and that you can prove with achievements and concrete data. Your weaknesses shouldn't be deal breakers, like lacking a crucial skill for the job, but they should be relevant enough to mention.

What is your greatest strength for a civil engineer? Examples of the Best Answers I have an extremely strong work ethic. When I'm working on a project, I don't want just to meet deadlines. Rather, I prefer to complete the project well ahead of schedule.

How can I pass the interview?

Why should we hire you as a civil engineer? Answer this question by emphasizing your educational qualifications, experience and personality traits, which provide evidence of your suitability for this role. "You should hire me because I have the right educational and professional qualifications that you require, as well as the right personality traits.

Why do you want this job? I am applying for this job because I believe it offers the perfect opportunity for me to utilize my skills and experiences to contribute effectively. The role aligns well with my career objectives, and I am enthusiastic about the prospect of working with a dynamic team in a stimulating environment.

How do you introduce yourself in a civil engineering interview? Your Name: Begin by stating your full name and any professional designations. Professional Background: Briefly highlight your civil engineering internships, projects, or work experience. Education: Mention your degree in civil engineering and any other relevant certifications.

Why do you choose civil engineering? The importance of civil engineering can be placed on one reason: making the world an easier and safer place to live. Without civil engineers we would not have safe homes, cohesive road systems or hospitals. By becoming a civil engineer, you will be able to positively impact society by making the world a better place.

How to answer tell me about yourself?

What to say in an engineering interview? Interviewers will be most interested in your specific role and accomplishments. You can explain that you were part of a team, since interviewers look to be sure you can work effectively with others, as is increasingly expected of engineers, but be sure to highlight your own specifics, as well.

What are the 3 important questions?

What is the basic knowledge of an engineer? Analytical skills Analytical skills are the cornerstone of innovation and problem-solving. Engineers need to identify and articulate problems clearly, analyse data to extract actionable insights, and apply critical thinking to evaluate different solutions.

What is the best question to ask an engineer?

What are the 3 principles of engineering?

What are some good questions to ask an engineer?

What questions should you ask at the interview?

What are three important qualities that civil engineers need?

What questions should I ask a senior engineer?

What is the flow rate over a circular weir? The flow rate over a weir can be calculated using the following equation:(1) Q w = 2 3 B 2 g H 3 2 where (Qw) is the theoretical discharge over the weir [L3/T], (B) is the effective weir length [L], (H) is the head over the weir crest [L] and (g) is the acceleration due to gravity [L/T2].

How do you calculate flow over a weir?

What is a weir design for flow measurement? V notch weirs really are just that – a thin plate weir with a 'V' notch cut into it. The weir is placed to obstruct open channel flow and allow water to flow over the notch. This enables us to accurately measure the flow, by measuring the head upstream of the V notch.

How to calculate the height of a weir? The height is measured from the bottom of the weir opening to the top of the water level ponded behind the weir (not the water

level right as it leaves the weir).

What is the average weir overflow rate? Weir loading, also known as weir overflow rate, is the number of gallons of water passing over a foot of weir per day. The standard weir overflow rate is 10,000 to 14,000 gpd/ft and should be less than 20,000 gpd/ft.

How accurate is a weir flow measurement? Under laboratory conditions, a properly installed Weir can typically achieve accuracies of +/-2 to 5%; under most field conditions accuracies within 5 to 15% may be expected.

What is the Francis equation for flow over weir? Conclusions: For a suppressed rectangular, sharp-crested weir, Equation (12) (the Francis Equation), Q = 3.33BH3/2, may be used if H/P 0.33 & H/B 0.33.

What is the formula for the weir method? The Weir formula is a formula used in indirect calorimetry, relating metabolic rate to oxygen consumption and carbon dioxide production. According to original source, it says: Metabolic rate (kcal per day) = 1.440 (3.9 VO2 + 1.1 VCO2)

What is the difference between a weir flow and an orifice flow? The difference between a large orifice and weir is that liquid flows through the orifice while it flows over the weir. The flow of liquid coming out of orifice is called jet while that comes through the weir is called 'nape, sheet or vein'.

What are the criteria for weir design? This weir is normally constructed in concrete with an upstream face sloping at 1:2 (vertical : horizontal), and a downstream face at 1:5. The weir needs to have a sharply defined crest for accuracy of flow measurement, so this is normally formed by a steel insert in the concrete.

What is the best weir design? The V-notch or triangular weir is among the most popular thanks to its precision in low flow open channel measurement and profile for measuring CFS discharges less than 1, though it's applicable to flows up to 10 CFS. Rectangular weirs are a common alternative to triangular weirs, and they come in two different forms.

What is the weir flow theory? Theory. The depth of water above the base of a weir is related to the flow rate through it; therefore, the weir can be used as a flow

measuring device. The relationships of flow over weirs can be obtained by applying the energy equation from a point well upstream of the weir to a point just above the weir crest.

How do you size a weir? The basic consideration in sizing a particular style of weir or flume is whether the device can handle the range of flows; whether the minimum / maximum expected flow rates fall within the useful range of flows that a device can measure.

What is typical weir height? It is a normal practice to design the weir length to achieve a crest height (i.e., height of liquid over the weir) of 6 to 12 mm. A reasonable design requires a weir loading of 18 m3/(h.m)(4), with a minimum weir load of 2 and maximum of 60 m3/(h.m)(5).

What is the equation for the flow over sharp-crested weir? Conclusions: For a suppressed rectangular, sharp-crested weir, equation (4), Q = 3.33BH3/2, may be used if H/P 0.33 & H/B 0.33. For H/P > 0.33 or H/B > 0.33, the Kindsvater-Carter equation [equation (4)] should be used.

How to calculate overflow rate?

What is the weir loading rate for circular clarifier? The expected range of weir overflow rate for a primary clarifier is 10,000 to 20,000 gpd/ft. Surface loading rate is the number of gallons of wastewater passing over 1 square foot of tank per day. Plant designs generally use a surface loading rate of 300 to 1200 gpd/ft2.

What is the most efficient weir? The most efficient shape for a weir is to match the curve that the water would take off of a sharp crest. This part of the flow is called the weir's nappe, and the shape that matches it is called an ogee. With ogee-crested weirs, we can get discharge coefficients as high as around 4, but that's pretty much the limit.

What is the flow over the side weir? The ow over a side weir is a typical case of spatially varied ow with decreasing discharge. The discharge over the side weir is a ected by the main channel velocity. Like normal weirs, side weirs may be of di erent shapes (i.e., rectangular, triangular, trapezoidal etc.).

What is the weir loading rate of circular sedimentation tank? Weir loading rate (weir overflow rate) is the amount of water leaving the settling tank per linear foot of weir. The result of this calculation can be compared with manufacturer design. Normally, weir overflow rates ranging from 10,000 - 20,000 gpd/ft are used in the design of a settling tank.

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What is the flow over a crested weir? The water flowing over a broad-crested weir slows down due to friction as it follows the surface of the structure continuously. The water flows over the crest, and gravity takes over, causing the flow to turn super-critical. The flow accelerates and gets thinner and the water flows like a waterfall.

What is strategic deception? 'Strategic deception' is defined as 'the practice of lying to and deceiv- ing customers by subtly or actively allowing them to form false impressions in order to build long- term relationships by having employees portray themselves to be something they are not' (Patwardhan et al., 2009, p. 320).

What are the 3 different types of deception? They divide deceptions into three categories: cover, lying, and deception. Cover refers to secret keeping and camouflage. Lying is subdivided into simple lying and lying with artifice. Lying is more active than cover in that it draws the target away from the truth.

What are the 4 factors of deception? Zuckerman et al. (1981) proposed the influential Four-Factor Theory of deception. It postulates that deception involves (a) generalized arousal, (b) anxiety, guilt, and other emotions accompanying deception, (c) cognitive components, and (d) liars' attempts to control verbal and non-verbal cues to appear honest.

What are the 4 P's of deception? Section 5 of the FTC Act: – Prohibits unfair and deceptive acts and practices. – Deception test requires disclosures to satisfy the “Four P's” – prominence, placement, presentation, and proximity.

Is deception gaslighting? Gaslighting: Deception can also include gaslighting, where we manipulate our partners and cause them to doubt themselves. For example, if they accuse us of something, instead of owning up to our mistakes, we might deny it and claim we never said that.

Is deception a form of manipulation? If you're selling something that does not do what you say it does, then you're being deceptive. If you're nudging someone to buy something they already want (and will add value to their lives), that's manipulation. TL;DR: Deception is a lie, manipulation is a tool.

What is deception in communication? Deliberate transmission, retransmission, or alteration of communications to mislead an adversary's interpretation of the communications.

What is the root cause of deception? According to one expert, lies are like wishes—often, what is said are things people wish were true. A large body of research identifies three major reasons why people lie: to get something they want, so-called instrumental reasons; to protect or promote themselves; and to harm others.

What behaviors may indicate deception? Non-Verbal Cues: Pacifying gestures should be considered alongside other non-verbal cues, such as fidgeting, excessive blinking, or avoiding eye contact. A combination of these behaviors can further strengthen the suspicion of deception.

What is an example of a deceptive tactic? These include the failure to disclose pertinent facts, misleading price and savings claims, bait and switch advertisements, careless use of the word “free,” and comparative misrepresentation—making misleading comparisons between your product and the product of another company.

What are some examples of deception?

What is an example of deception in business? Examples include exaggerated claims about product benefits, false testimonials and deceptive pricing strategies. Consumers may end up with products or services that do not live up to the promises made in advertisements.

What are the 3 elements of deception? In summary, to qualify as deception, a communicative act must have three basic elements: * The sender must know the information is false. * The sender must be transmitting the information on purpose. * The sender must be attempting to make the receiver believe the information.

The Constitution of Liberty by Friedrich Hayek: Questions and Answers

Question 1: What is the main thesis of "The Constitution of Liberty"?

Answer:

Friedrich Hayek's "The Constitution of Liberty" argues that a free society requires constitutional limits on government power to protect individual liberty. He posits that freedom is not just the absence of coercion but the ability to make independent choices within a framework of rules.

Question 2: How does Hayek define liberty?

Answer:

Hayek defines liberty as the "area within which the individual is free to act without interference from other persons." He stresses that liberty is not absolute and must be balanced with the rights of others.

Question 3: What is the role of rules in a free society?

Answer:

Rules, according to Hayek, are essential for a free society as they provide a stable and predictable environment in which individuals can make informed choices. However, rules must be carefully crafted to minimize government interference and maximize individual autonomy.

Question 4: How does Hayek view the relationship between the state and the individual?

Answer:

Hayek believes that the state should play a limited role in society. Its primary function is to protect individual rights and provide the framework for economic and social interactions. He advocates for minimizing state intervention in the market and limiting public ownership.

Question 5: What are the implications of Hayek's ideas for contemporary society?

Answer:

Hayek's ideas continue to influence debates about the proper role of government and the preservation of individual freedom. They challenge the notion of the welfare state and emphasize the importance of individual responsibility and limited government power. However, some question the practicality of Hayek's proposals in the face of modern challenges such as globalization and inequality.

> *flow rate over a circular weir chemical plant design*, *deception disinformation and strategic communications*, *the constitution of liberty friedrich hayek*

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