

Site Supervisor Interview Questions And Answers Guide.



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Site Supervisor Job Interview Preparation Guide.

Question # 1

Explain briefly the various methods of concrete curing?

Answer:-

Curing is the process of maintaining the moisture and temperature conditions for freshly deployed concrete. This is done for small duration of time to allow the hardening of concrete. The methods that are involved in saving the shrinkage of the concrete includes:

- * (a) Spraying of water: on walls, and columns can be cured by sprinkling water.
- * (b) Wet covering of surface: can be cured by using the surface with wet gunny bags or straw
- * (c) Ponding: the horizontal surfaces including the slab and floors can be cured by stagnating the water.
- * (d) Steam curing: of pre-fabricated concrete units steam can be cured by passing it over the units that are under closed chambers. It allows faster curing process and results in faster recovery.
- * (e) Application of curing compounds: compounds having calcium chloride can be applied on curing surface. This keeps the surface wet for a very long time.

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Question # 2

Do you know what are the different type of slump test indications?

Answer:-

Slump tests are performed to empirically measure the workability of fresh concrete. It is used to measure the consistency of the concrete. In general there are three different types of slumps that occur in slump tests. They are as follows:

- * True Slump
- * Shear Slump
- * Collapse Slump

True Slump: This type of slump is characterized by the general drop of the concrete mass evenly without visible signs of deterioration or disintegration.

Shear Slump: It indicates that the concrete mix is deficient in cohesion. This type of slump leads to segregation and bleeding. Henceforth in the long run effecting the durability of the concrete.

Collapse Slump: This type of slump is indicates that the mix of concrete is simply too wet. The mix is considered to be harsh and lean.

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Question # 3

Tell me why are pull-out tests performed for soil nails?

Answer:-

Pull out tests are performed for primarily the following reasons:

- * In order to detect and the verification of the bond strength among the soil and the grout adopted during the design of soil nails. This is considered to be as the primary objective of performing pull out tests for soil nails.
- * For the detection of any slippage or occurrence of creeps.
- * To detect the elastic and deformations (plastic) of any of the test nails employed. Observations are made during the loading and unloading cycles of the soil nails repetitively.
- * To achieve the perfect balance the test nails should always be loaded so that the ultimate soil/grout mixture with an upper limit of 80%.

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Question # 4

Do you know what are your weaknesses for Construction site supervisor position?

Answer:-

Try not to be too critical when answering this question. Instead, pick one of your weaknesses and try to turn it into a positive.

For example, you could be a perfectionist, which means that you sometimes take longer on tasks, but you make sure that they are completed to a high quality. It is important to make a negative into a positive as it doesn't make you appear overly critical and shows you can reflect on your own performance.

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Question # 5

Explain me your salary requirements?

Answer:-



Find out what the salary is for the job that is possible ahead of time. If there is no salary posted then do some research. Find out what the market is paying and what you are worth. Make a reasonable salary offer based on this information. Do your best to avoid making a salary offer if you can. You can ask the employer if they have a salary range they plan to pay the person in this position.

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Question # 6

Tell me a time you had to introduce important change in your last job?

Answer:-

Your ability to persuade and influence your employees or team members to accept change is key.

Show how you were able to gain support and commitment from them by using the appropriate communication style, by listening and responding to concerns and questions, by asking for their help and commitment and by providing support.

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Question # 7

Tell me how do you encourage your team?

Answer:-

Keeping your employees motivated is a major role of a supervisor. The interviewer is trying to see if your employees will respond to you and your encouragement. Use examples to show how your ideas have improved the workplace.

"I've always found great success with mini-competitions. I keep them small enough so that's there's no hard feelings, but big enough that the employees will work hard. For example, last Black Friday we held a contest to see who could have the most sales by the end of the day. The winner received a mini-spa day for all their hard work. This actually resulted in our most profitable Black Friday to date and the employees really got into it. It was the first time that no one really complained about working the day after Thanksgiving. In fact, they have requested to do more contests like that one. We've also done group contests. For example, we found that Wednesdays were our slowest days, so I gave them all a goal of raising Wednesday sales by three percent. If they did, they would each get a gift card to a local restaurant. It only took about three weeks for them to meet the goal."

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Question # 8

Tell me how do you go about dealing with bad employees?

Answer:-

Companies are looking to hire supervisors who understand that not every employee is perfect and to see how they handle a bad fit. Show them that you are encouraging and don't give up easily.

"I wish I could tell you that I've never experienced an employee who wasn't the right fit. But, that's not the case. In almost every job I've had, there's been at least one questionable hire. Because they were hired in the first place, it shows that we saw something in them that may not be shown at work. I start by scheduling a meeting with them to see what the issue may be. Many times it's not work related, just that personal issues are being brought into the work place. In that situation we work out a plan on how they should improve and I let them know that, while we are rooting for them they need to step up their game. In other cases where the employee doesn't seem to care at all about the job or they are getting noticed for not working hard, I will either request that they retake the training or that we part ways."

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Question # 9

Do you know what are the steps involved in the concreting process, explain?

Answer:-

The major steps involved in the process of concreting are as follows:

1. Batching
2. Mixing
3. Transporting and placing of concrete
4. Compacting.

* Batching: The process of measurement of the different materials for the making of concrete is known as batching. batching is usually done in two ways: volume batching and weight batching. In case of volume batching the measurement is done in the form of volume whereas in the case of weight batching it is done by the weight.

* Mixing: In order to create good concrete the mixing of the materials should be first done in dry condition and after it wet condition. The two general methods of mixing are: hand mixing and machine mixing.

* Transportation and placing of concrete: Once the concrete mixture is created it must be transported to its final location. The concrete is placed on form works and should always be dropped on its final location as closely as possible.

* Compaction of concrete: When concrete is placed it can have air bubbles entrapped in it which can lead to the reduction of the strength by 30%. In order to reduce the air bubbles the process of compaction is performed. Compaction is generally performed in two ways: by hand or by the use of vibrators.

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Question # 10

Explain under what circumstances should pot bearings be used instead of elastomeric bearings?

Answer:-

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 be maintained 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.

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Question # 11

Explain why is the use of granular sub-base in concrete carriageways not preferred?



Answer:-

Some of the reasons why granular sub-base is not preferred in concrete carriageways:

* Sub bases are permeable and hence water can seep through them easily. The soil particles get pumped out through the joints on the application of traffic loads. This results in the creation of voids underneath the pavement structure. This leads to the weakening of the concrete surface and it can crack easily upon intense traffic loads.

* Instead if lean concrete is used for carriageways it greatly increases the strength of the roads and the load carrying capacity of the roads is increased.

* Sub-bases implementation requires a lot of workmanship which can lead to an un-uniform distribution of the sub-base. This can lead to the cracking of the carriageway when there is severe traffic loading.

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Question # 12

Do you know the mechanism of cavitations in pipes and drains?

Answer:-

The formation of air bubbles in a fluid due to low pressure conditions lower than the saturation pressure is known as cavitations. This is considered to be a high potential damage condition where the strength and durability of the pipes can be greatly reduced. Cavitation works on the principle of Bernoulli's Equation. When fluids are at high velocities the pressure head of fluids reduce accordingly. But since the fluid pressure is lower than the saturation pressure the dissolved gases get released from the flowing fluid. These air bubbles suddenly collapse on entering a region of high pressure. This leads to the damage of the pipelines as a high level of dynamic pressure is created.

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Question # 13

Explain why did you leave your last job?

Answer:-

Whatever the situation was from your previous job, you should always answer this question with a positive and enthusiastic response. If the reason for leaving your last job was redundancy, then you should talk about how your company had to restructure, instead of focusing on your own personal situation. Under no circumstances should you criticise your previous employer, as this will appear unprofessional.

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Question # 14

Explain me your supervisory style?

Answer:-

When answering supervisor interview questions around your personal supervisory style remember that there is no wrong or right supervisory style.

The only criteria is that it should be appropriate to the situation. Your ability to adapt your style to the demands of the person you are dealing with, the task at hand and the circumstances is key to success as a supervisor. Provide examples of how you have had to adapt your supervisory style to meet different needs.

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Question # 15

Tell us what is most important for your store to run effectively?

Answer:-

Being a leader requires you to spend time developing your team and helping them work well together. Think about the things you like to see from your employees and from your own manager.

"The biggest thing that makes my stores run is teamwork. I truly believe that hiring the right people who work well together will give you an edge on the competition. We let our employees know that no one is too good for any tasks and that we are all working together to make the store a success. You can even find me washing the floors if we are short handed or busy. This type of environment encourages everyone to work hard and gives them a sense of pride in their work. "

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Question # 16

Tell me what do you understand by "preset" during the installation process of bridge bearings?

Answer:-

During the installation of bridge bearings the size of the upper plates is reduced to save the material costs. This process is known as preset. Generally the upper bearing plate comprises of the following components:

* Length of bearing

* 2 x irreversible movement.

* 2 x reversible movement.

The bearing initially is placed right in the middle point of the upper bearing plate. No directional effects of irreversible movement is considered. But since the irreversible movement usually takes place in one direction only the displaced direction is placed away from the midpoint. In such cases the length of the upper plate is equal to the length of the bearing + irreversible movement + 2 x reversible movement.

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Question # 17

Tell me in case if concrete box girder bridges how is the number of cells determined?

Answer:-

When the depth of a box girder bridge exceed 1/6th or 1/5th of the bridge width then the design recommended is that of a single cell box girder bridge. But in case the depth of the bridge is lower than 1/6th of the bridge width then a twin-cell or in some cases multiple cell is the preferred choice. One should also note that even in the cases of wider bridges where there 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.

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Question # 18

Tell me why is propping required for long structures once the formwork is removed?

Answer:-

Once the process of concreting is performed the striking of the formworks should be done as soon as possible as delay in this process can lead to the discoloration of the concrete structures. In case of long structures particularly long span structures once the structures have attained enough strength to support themselves it is essential to provide them with propping as creep deflection can take place which can greatly reduce the integrity of the structure. Due to the above mentioned reasons propping should be done after the removal of formwork. Also the props should not be made to stand long as it can lead to overstress for the structures.

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Question # 19

Tell me what would you like to be doing five years from now?

Answer:-

The safest answer contains a desire to be regarded as a true professional and team player. As far as promotion, that depends on finding a manager with whom you can grow. Of course, you will ask what opportunities exist within the company before being any more specific: "From my research and what you have told me about the growth here, it seems operations is where the heavy emphasis is going to be. It seems that's where you need the effort and where I could contribute toward the company's goals." Or, "I have always felt that first-hand knowledge and experience open up opportunities that one might never have considered, so while at this point in time I plan to be a part of [e.g.] operations, it is reasonable to expect that other exciting opportunities will crop up in the meantime."

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Question # 20

Explain about a time you had to coach an employee to perform a task?

Answer:-

Coaching and developing others is part of the supervisor function. Supervisor interview questions about the development of employees should include your ability to agree on the outcomes and methods of coaching with the employee, to explain and demonstrate task performance, to observe and provide constructive feedback.

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Question # 21

Explain how do you go about solving conflict between team members?

Answer:-

Not everyone on your team will get along, and how you solve conflicts will reflect the type of manager you will be. The interviewer is looking to see if you can handle your employees bickering.

"While I've never had a very serious issue with employees not getting along, I have seen what happens when people on your team do not seem to work well together. If it's something small, like a work miscommunication, I will call them both into my office and we will hash it out. I've seen that type of resolution work well. But, if it's something bigger, like personal drama, I usually approach them separately and ask that they leave any personal issues at the door. Then, I make note to not schedule them in the same shift. I keep my time and my employee's time at work as professional as possible."

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Question # 22

What is equilibrium reinforcements?

Answer:-

This type of reinforcements are required where several anchorages exist where the prestressing loads are applied in a sequential manner.

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Question # 23

Tell me why concrete barriers have curved surface profiles?

Answer:-

The concrete safety fenceings are made to contain vehicles in their carriageway being travelled so as to reduce the chances of rebounding into the roads leading to more hazards. In the case of normal fenceings upon vehicle crashes the fenceings give away so as to absorb as much energy as possible henceforth reducing the impact on the vehicles. But in the case of concrete barriers their purpose is not to absorb energy of vehicles crashing into the barrier but to retain them. They have a curved design so as to allow the vehicles that hit them to slightly go up on the barrier but not overturn. They also prevent the vehicle from again getting back on the road by rebounds. This helps in vastly reducing the chances of other vehicle hazards.

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Question # 24

Explain about a short term plan you developed for your department/team/group?

Answer:-

These supervisor interview questions explore your ability to plan and organize. Your interview answer should demonstrate your ability to set priorities, establish objectives and milestones, schedule activities and plan proper use of resources.

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Question # 25

Tell me in the design of bridge arguments what considerations should be made to select the orientation of the wing walls?

Answer:-

Some of the most common arrangements of wing walls in cases of bridge arguments are as follows:

* Wing walls parallel to abutments: 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.

* Wing walls at an angle to abutments: This design method is considered to be the most economical in terms of material cost.

* Wing walls perpendicular to abutments: The characteristic of this design is it provides an alignment continuous with the bridge decks lending a support to the parapets.

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Question # 26

Tell me why do you want to work as Construction site supervisor for this organisation?

Answer:-

Being unfamiliar with the organisation will spoil your chances with 75% of interviewers, according to one survey, so take this chance to show you have done your preparation and know the company inside and out. You will now have the chance to demonstrate that you've done your research, so reply mentioning all the positive things you have found out about the organisation and its sector etc. This means you'll have an enjoyable work environment and stability of employment etc - everything that brings out the best in you.

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Question # 27

Tell me what are the different approaches in designing the floors of the service reservoirs?

Answer:-

In general there are two main approaches of designing the reservoir floors to prevent leakage of water due to seasonal and shrinkage movements:

* In this approach the movement joints of the reservoir floor panels are such that the free expansion and contraction of the panels takes place. Every panel is isolated from the other panels and two panels have a sliding layer between them to help in sliding.

* The second method does not provide any room for free movement. With seasonal and shrinkage movements, some cracks are designed to voluntarily occur on the floors of the service reservoirs. These tiny cracks are spread throughout the floor and are simply too minute to cause any leakage or corrosion of the floors. But the difference also in this method is that the amount of reinforcement used is much more than the first approach.

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Question # 28

Explain about a time an employee made a significant mistake. What action did you take?

Answer:-

This is a behavioral or situational interview question. You are expected to provide an example of how you successfully managed a difficult employee or team member.

In your answer to this supervisor interview question focus on your ability to communicate openly to understand the cause of the mistake. To discuss with the employee how it can be prevented from happening again. To view the mistake as a learning opportunity to improve future performance.

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Question # 29

Explain why are steel plates inserted inside bearings in elastomeric bearings?

Answer:-

In order to make a elastomeric bearing act/ function as a soft spring it should be made to allow it to bulge laterally and also the stiffness compression can be increased by simply increasing the limiting amount of the lateral bulging. In many cases in order to increase the compression stiffness of the bearing the usage of metal plates is made. Once steel plates are included in the bearings the freedom of the bulge is restricted dramatically, also the deflection of the bearing is reduced as compared to a bearing without the presence of steel plates. The tensile stresses of the bearings are induced into the steel plates. But the presence of the metal plates does not affect the shear stiffness of the bearings.

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Question # 30

Explain me a time you had to manage conflict within your department/team/group?

Answer:-

Your example can show how you identified the source of conflict, used the conflict situation as a constructive process to exchange opinions and ideas and clarify roles and responsibilities. Discuss how you kept the focus on the desired outcome rather than on personal grievances.

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Question # 31

Tell me what reinforcements are used in the process of prestressing?

Answer:-

The major types of reinforcements used in prestressing are:

* Spalling Reinforcement: The spalling stresses leads to stress behind the loaded area of the anchor blocks. This results in the breaking off of the surface concrete. The most likely causes of such types of stresses are Poisson's effects strain interoperability or by the stress trajectory shapes.

* Equilibrium reinforcements: This type of reinforcements are required where several anchorages exist where the prestressing loads are applied in a sequential manner.

* Bursting Reinforcements: These kinds of stresses occur in cases where the stress trajectories are concave towards the line of action of load. In order to reduce such stresses reinforcements in the form of bursting is required.

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Question # 32

Basic Common Site Supervisor Interview Questions:

Answer:-



- * How many people have you supervised in the past?
- * Have you personally hired, trained, and coached staff?
- * How do you handle difficult employees?
- * Have you ever fired someone due to erratic behavior? If so, explain what process or steps you used to conduct the dismissal?
- * Describe your management philosophy.
- * How would your subordinates describe your management style? If asked, what would your subordinates say about you?
- * What aspects of your previous management roles have you excelled within?
- * Why should we choose you over other applicants? What's unique about you?
- * How do you decide important decisions when it comes to staffing, accounting, operations, warehousing, sales, and so on?
- * With your past (or most recent) employer, what have you done to cut costs? Provide a couple of examples.
- * How do you motivate your staff to produce optimal performance?
- * What have been your most notable achievements from the last 2-3 years?
- * What programs or systems have you introduced to streamline internal operations?
- * Have you been involved in renegotiating contracts with small to large vendors? What have been your successes?
- * What has been your experience working with union and non-union personnel?
- * Have you received any awards or recognition that you're particularly proud of?
- * How would you describe your personality?
- * When a problem arises, do you pause and think of a solution, or have you conditioned yourself to act immediately with what seems right?
- * How many hours per week are you capable of committing to this position?
- * Are you someone who will stay until the job is done, or do you typically leave when your shift is through?
- * What techniques do you use to rally your team?
- * What has been your involvement with self-evaluation and 360-degree programs?
- * What are your thoughts on organizational restructuring?
- * Have you had any experience with mergers and acquisition?
- * Have you been involved with securing or assisting with the maintenance of ISO certifications?
- * Any involvement with certain methodologies or strategies; i.e. Kanban, Agile, Lean Management?
- * What is your expected salary?

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Question # 33

Situational Site supervisor interview questions:

Answer:-

- * What would make you happy in a job?
- * Which subjects did you enjoy during your qualifying degree?
- * What quality of yours or personal trait matters the most in your career?
- * How did you handle meeting a tight deadline?
- * What do you think, would you be willing to travel for work?

Don't stress yourself with the idea of winning or losing. If interviewing for a professional-level position, be ready to answer questions about standards within the industry. Be sure to discuss a very specific example.

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Question # 34

Phone Based Site supervisor interview questions:

Answer:-

- * What are your long-term goals or career plans?
- * What are the qualities of a good leader?
- * What are three positive character traits you don't have?
- * Who was your favorite manager and why?
- * Do you prefer to work in a small, medium or large company?

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Question # 35

Video Based Site supervisor interview questions:

Answer:-

- * What was the most difficult period in your life, and how did you deal with it?
- * Describe a situation in which you had to collect information.
- * Give some examples of teamwork.
- * What negative thing would your last boss say about you?
- * Situation in which you had to arrive at a compromise.

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Question # 36

Strengths and Weaknesses Based Site supervisor interview questions:

Answer:-

- * Would you rather write a report or give it verbally?
- * Tell me about a time when you successfully handled a situation?
- * What do you believe are your key strengths?
- * Time when you made a suggestion to improve the work.
- * What assignment was too difficult for you?

Just confine your words to better opportunities.

Be sure to discuss a very specific example. The interviewers want to know the real you, the potential candidate they may accept in.

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Question # 37

Behavioral Site supervisor interview questions:

Answer:-

- * What have you learned from mistakes on the job?
 - * Give me an example of a high-pressure situation?
 - * What kind of personality do you work best with and why?
 - * Give an example of a time you successfully worked on a team.
 - * Describe a situation where you had to plan or organise something.
- Don't stress yourself with the idea of winning or losing.
Try to answer Site supervisor interview questions completely. Be sure to discuss a very specific example.

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Question # 38

Competency Based Site supervisor interview questions:

Answer:-

- * Tell me about an important goal that you set in the past.
 - * What are your expectations regarding promotions and salary increases?
 - * How do you feel about taking no for an answer?
 - * What was the most stressful situation you have faced?
 - * Tell me about a difficult experience you had in working.
- Discuss any attributes that may set you apart from other job candidates. Give an example that relates to the type of position applied for. The answer you give to this query can make or break your chances of getting the job.

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Question # 39

Communication skills Based Site supervisor interview questions:

Answer:-

- * What is a typical career path in this job function?
- * What type of work environment do you prefer?
- * What's most important to you in a new position?
- * Describe a time you were faced with stresses which tested your skills.
- * What have you done to support diversity in your unit?

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Question # 40

Basic Site supervisor interview questions:

Answer:-

- * Example when you went above and beyond the call of duty.
- * How would you describe your work style?
- * Do you prefer to work independently or on a team?
- * What is more important to you: the money or the work?
- * Do you know anyone who works with our company?

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Question # 41

Fresh Site Supervisor Interview Questions:

Answer:-

- * How can you distinguish between sorption, absorption and adsorption?
- * What is modular elasticity?
- * Discuss some applications of modular elasticity.
- * What is difference between engineering stress and true stress?
- * What are some structures that are subjected to fatigue?
- * What is the tensile strength of wood?
- * Explain soil analysis?
- * What is soil enforcement?
- * How can you achieve soil enforcement?
- * What is a bearing capacity of soil?
- * Why does the pressure increase under soil?
- * How to increase a bearing capacity of soil?
- * What you understand by building codes?
- * Explain moment of inertia and its importance.
- * Which is the best book for building construction?
- * How do we determine the specific gravity of a cement?
- * What are the causes of building collapse?
- * Explain the latest method to detect a crack in a building?
- * How do we test on design and style in a software?
- * Explain different types of RCC pipes.
- * Explain the design for RCC multi-storied building?
- * What are the benefits of RCC pipes over steel designed pipes?
- * Elaborate advantages & disadvantages of using crusher dust instead of sand in RCC work.
- * How can you produce desired alloys and discuss their applications in daily life.
- * Can inverted beams used in pipes during construction? If yes, explain how it can be implemented?



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Question # 42

My First Site Supervisor Interview Questions:

Answer:-

- * What is rigging?
- * What are the techniques to measure road difference?
- * Explain major differences between routine maintenance and major maintenance.
- * What you understand by Richter scale?
- * How do we calculate the power of centrifugal pump?
- * What is a tensile strength? What is the tensile strength of wood?
- * Difference between pre-tensioning and post-tensioning.
- * Explain the difference between shear and tensile strength.
- * Why the statue of liberty is made of Copper?
- * What is the difference between TOR steel and TMT steel?
- * Which code is used for TOR & TMT steel bar?
- * Explain major difference between auto level and dumpy level?
- * What is the L/D ratio of cantilever beam?
- * What is the ratio of steel and concrete to use in slabs, beams, columns?
- * What is pre-stressed concrete?
- * What are the ingredients of pre-stressed concrete?
- * What do you mean by honeycomb in concrete?
- * Why is concrete cube test carried out?
- * How do you calculate the power of centrifugal pump?
- * What is aggregate?
- * What is absolute pressure? How absolute pressure is calculated?
- * What is the absolute pressure scale?
- * What is gravity flow?
- * What is a projection line?
- * What is horizon or horizontal mining?

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Question # 43

General Site Supervisor Job Interview Questions:

Answer:-

- * Can you tell us why you chose to apply for this particular job?
- * Can you tell us what you think the role of site supervisor/caretaker involves?
- * A large part of your time in school will be spent on cleaning. What do you see as the essential reasons for keeping a school clean?
- * Health and safety is an important issue in schools. How can the site supervisor minimize the risk of any accidents to the children, the staff, and yourself?
- * What experience have you had with cleaning and caretaking?
- * You will be responsible for the security of the buildings. Can you give us some idea what you think the requirements are for this role, and what it entails?
- * You will be the first key holder, responsible for attending to call outs. Would this present any problems?
- * Do you foresee any problems working a split shift? You do understand there will be a need for flexibility in this job?
- * If you found yourself in an uncomfortable situation where a child was being particularly awkward with you, what do you think you would do to handle the problem?
- * Have you got a head for heights, or any back problems we should know about?
- * What skills or qualities do you feel you would bring that would benefit the school/post?
- * A major part of the time you spend in school will be spent on cleaning. What do you see as the essential reasons for keeping a school clean?
- * Health and safety is an important issue in schools. How could you as site supervisor minimise the risk of any accidents to the children, staff and yourself. (especially at the moment frost, leaves outside)?
- * You will be directly be responsible for organising the other cleaners, what do you foresee that this will entail, what would you do if you had a problem with their standard of cleaning?
- * Coming into this school you may be using different cleaning products or equipment to what you have used previously (or not used any at all) what do you think is the most important thing to do before using them.(could be both chemicals or machinery)?
- * Part of the site supervisors job is to carry out minor repairs and maintenance, what relevant experience do you have to be able to do this?
- * Site security is vital can you give us some idea of the requirements of this role in schools and why?
- * Have you any experience of arranging maintenance programmes. If not what do you think it would entail and why would they be necessary?
- * A shiny floor is not necessarily a slippery floor why and how is this so. do you know what makes a floor slippery?

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Question # 44

Explain briefly the advantages and disadvantages of using plastic and timber fenders?

Answer:-

- * The advantages and disadvantages of using plastic fenders are as follows:
Plastic fenders are low in strength with a relatively high resistance to abrasion. Plastic fenders are resistant to chemical and biological attacks. Plastic fenders have moderate energy absorption capacity. The berthing reactions are also comparatively moderate and depends on the point of contact. Also since they are made from recycled material they are environmental friendly.
- * The advantages and disadvantages of using timber fenders are:
timber fenders are low in strength and are very susceptible to marine borer attacks and rotting. The energy absorption capacity is very low. Also generally the contact pressure between the vessels and the fender are high.

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Question # 45

Tell me what makes a good supervisor?



Answer:-

This question will give the interviewer a sense of your management style. Draw from your experiences that can prove you are an effective leader.

"In my previous role as manager of a retail store, I found that if you show your employees you respect them, they will in turn respect you and work harder for you. I like to keep an open-door policy with my employees, meaning that they feel comfortable coming to me with any issues they are having. This also gives them a sense of ownership in their job that has produced great results. While there's a line between being a supervisor and friend, I like to show them that we are on the same team, working toward the same goal."

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Question # 46

Explain during reclamation how can the occurrence of mud waves can be rectified?

Answer:-

There are several solution to the rectification of the problem of mud waves:

- * Complete removal of all the disturbed mud: This method can be considered to be one of the fastest methods. As soon as the disturbed mud is removed some filling material is used to replace the disturbed mud. But economically this method can be expensive as compared to others.
- * Accelerated consolidation of disturbed mud: In this method surcharging loads are placed on top of the mud waves. Along with this band drains are installed to accelerate the consolidation process. This method is quite slow compared to the other methods.
- * Partial removal of the disturbed mud: This method is the hybrid of the above two methods where the top layer is removed whereas the lower level is treated with the surcharging process.

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Question # 47

Explain for a washout valve why are two gate valves required in normal practice?

Answer:-

The washout valves are primarily used for normal maintenance works such as that of water main. This can be like to allow water to flow out during the cleaning of the water main. The junctions at which a pipe branches out to a washout point usually a gate valve is installed so that the two pipelines are separated. The gate valve installed above usually remains open during normal operation. Another gate valve is installed further downstream and this remains closed during normal operation of the washout valve. In case this valve is not installed then the pipe section of the branched out pipe would remain dry during normal operation and high chances of damage and leakage can take place. When the downstream valve is installed the branched out water main contains water under normal operation. With two gate valves installed a leakage can be detected immediately.

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Question # 48

Explain how do you motivate your employees/team members?

Answer:-

The more your employees or team members understand about their jobs and responsibilities the more motivated they are. Show how you ensure each subordinate has clarity about his or her role and responsibilities. Discuss how you set clear, specific and realistic targets that are agreed on rather than dictated. Focus on how you involve employees by asking for suggestions, ideas and feedback.

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Question # 49

Explain for what purpose bedding is used under storm water drains?

Answer:-

Beddings are primarily made up of granular or concrete materials. They are primarily used for the following purposes:

- * They are used to provide a more uniform support for the under pipes so that the bending moment longitudinally can be reduced greatly.
- * In order to enable the pipes to get more load-supporting strength.
- * They are also used to act as a platform to achieve a more correct alignment and level pre and post construction.
- * In case of pipes which contain spigot and socket joints, it enables pipes to get supported along pipe lengths in place of sockets. Otherwise it can lead to uneven stress being induced on the pipes eventually damaging it.

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Question # 50

In roof of a pumping station explain briefly the components of a waterproofing system?

Answer:-

The components of a typical waterproofing system on the roof of a pumping station are as follows:

- * Right above the structural finish level of the roof (concrete) a uniform thickness screed is applied so as to facilitate the application of the waterproofing membrane. The surface provide for the membrane should always possess good cohesion properties and must be thin so as to prevent any un-uniformity. This thin layer also acts as a layer of thermal insulation.
- * Right above this layer the waterproofing membrane is deployed to secure the water tightness of the roof.
- * In order to enhance the thermal insulation of the roof an insulation board is sometime placed right above the waterproof membrane. The insulation board helps in the maintenance of a stable temperature in both weathers.

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Question # 51

Explain why should curing not be done by ponding and polythene sheets?

Answer:-

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



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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.

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Question # 52

Explain in reclamation works what are the importance of geotextiles and sand?

Answer:-

The primary purposes of geotextiles and sand in reclamation works are as follows:

* Geotextiles: They are used to separate the marine mud from the reclamation fill. Also geotextiles are used as reinforcements in reclamation processes to increase its stability. It is still debated as to whether the usage of geotextiles is better or are the old processes followed are better as the performance has not been comparable to the conventional methods.

* Sand: In reclamation process sand is used to spread the load of any future public dumps placed on top of it. Sand also acts as a drainage for the excess pore water pressure of band drain installations.

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Question # 53

Explain what do you consider the essential qualities for a supervisor?

Answer:-

In your interview answer include these key competencies or skills that apply to all supervisor jobs. Planning and organizing, problem-solving, decision-making, delegating, motivating, influencing, communicating and managing conflict.

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Question # 54

Tell me why are separation membranes used between concrete pavement slab and sub-base?

Answer:-

The purpose of separation membrane between the concrete pavement slab and the sub-base are as follows:

* The separation membrane reduces the frictional forces between the concrete slabs and the sub-base. The membrane aids the movement of the concrete slab in reference to the sub-base when changes in the level of the moisture and temperature occurs.

* It aids in the segregation of sub-base materials from freshly placed concrete.

* The separation membrane also helps in the reduction of cement and water loss in the form of immature concrete. Immature concrete greatly affects the strength of the concrete. It also affects the durability of it.

* A good example of a separation membranes is polythene sheeting which is commonly used.

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Question # 55

Tell me why should pumping be not used in case of concreting works?

Answer:-

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.

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Question # 56

Explain me a difficult situation you have overcome in the workplace?

Answer:-

Conflict resolution, problem solving, communication and coping under pressure are transferable skills desired by many employers.

Answering this question right can help you demonstrate all of these traits.

* Use real-life examples from your previous roles that you are comfortable explaining

* Choose an example that demonstrates the role you played in resolving the situation clearly

* Remain professional at all times - you need to demonstrate that you can keep a cool head and know how to communicate with people

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Question # 57

Tell me in block work seawalls what is the purpose of slip joints?

Answer:-

Joints which are formed from the cope level to the toe level of seawalls through a complete vertical plane are known as slip joints. Such joints are designed so as to handle the differential settlements between the seawalls adjacent panels. In the slip joints the aggregates inside the half-rounds channels enables some vertical movements. These vertical movements are induced by differential settlements. This enables in the interlocking of the adjacent panels of the seawalls to link the panels in one unit against the earth pressure (lateral) which is exerted on the seawalls.

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Question # 58

Tell us what are three positive things your last boss would say about you?

Answer:-



It's time to pull out your old performance appraisals and boss's quotes. This is a great way to brag about yourself through someone else's words: "My boss has told me that I am the best designer he has ever had. He knows he can rely on me, and he likes my sense of humor."

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Question # 59

What is bursting reinforcements?

Answer:-

These kinds of stresses occur in cases where the stress trajectories are concave towards the line of action of load. In order to reduce such stresses reinforcements in the form of bursting is required.

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Question # 60

Tell us what can you offer me that another person can't?

Answer:-

This is when you talk about your record of getting things done. Go into specifics from your résumé and portfolio; show an employer your value and how you'd be an asset.

Suggested answer: "I'm the best person for the job. I know there are other candidates who could fill this position, but my passion for excellence sets me apart from the pack. I am committed to always producing the best results. For example..."

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Question # 61

What is spalling Reinforcement?

Answer:-

The spalling stresses leads to stress behind the loaded area of the anchor blocks. This results in the breaking off of the surface concrete. The most likely causes of such types of stresses are Poisson's effects strain interoperability or by the stress trajectory shapes.

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