

TOP 20 BASIC CIVIL ENGINEERING INTERVIEW QUESTIONS AND ANSWERS 2020

Q.1) What is the Unit Weight of concrete?

As per IS: 456-2000 Unit weight of Plain cement concrete is 24KN/m³ and Reinforced cement concrete is 25KN/m³.

Q.2) Which is the world's tallest man-made structure ?

World's tallest man-made structure is the Burj Dubai which stands at Approx. 830 meters tall.

Q.3) What are the steps involved in the concreting process, explain?

steps involved in the concreting process are :

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

Q.4) What are the Nominal Concrete Mix proportions for different grades ?

Nominal mix concrete used for concrete of M-20 or lower.

M5- 1:5:10, M7.5- 1:4:8, M15- 1:2:4, M20-1:1.5:3

Q.5) What is ductility?

Ductility is the Ability to deform under tensile stress.

Q.6) How do you find the weight of steel bar used in reinforcement?

Weight of Bar in kg/m = $D^2 / 162.2$ [D-Diameter of bar in mm]

Q.7) What's the difference between one-way slab and two-way slab?

One way slab: Ratio of Longer Span / Shorter span > 2

Two way slab: when the Ratio of Longer span / shorter span <= 2

Q.8) What is flat slab ?

The slab which is supported on columns (Flat slab don't have beams)

Q.9) What's the length of rise and tread in Stair case?

Rise – 150mm to 200mm, Tread – 250mm to 300mm

Q.10) What is Difference Between Engineering Stress And True Stress?

At any load, the engineering stress is the load divided by this initial cross-area. . At any load, the true stress is the load divided by the cross-area at that instant.

Basic Civil Engineering Interview Questions Answers

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Basic Civil Engineering Interview Questions Answers:

5000 MCQ: Civil Engineering For UPSC GATE/PSUs Exams R P Meena, 5000 MCQ Civil Engineering For UPSC GATE PSUs Exams The first Edition of Civil Engineering Contains nearly 5000 MCQs which focuses in depth understanding of subjects at basic and Advanced level which has been segregated topic wise to disseminate all kind of exposure to Students in terms of quick learning and deep preparation The topic wise segregation has been done to Align with contemporary competitive examination Pattern Attempt has been made to bring out all kind of probable competitive questions for the aspirants preparing for GATE PSUs and other exams The content of this book ensures threshold Level of learning and wide range of practice questions which is very much essential to boost the exam time confidence level and ultimately to succeed in all prestigious engineer s examinations It has been ensured to have broad coverage of Subjects at chapter level While preparing this book utmost care has been taken to cover all the chapters and variety of concepts which may be asked in the exams The solutions and answers provided are upto the closest possible accuracy The full efforts have been made by our team to provide error free solutions and explanations Dear Civil Engineering students we provide Basic Civil Engineering multiple choice questions and answers with explanation civil objective type questions mcqs download here These are very important Helpful for campus placement test semester exams job interviews and competitive exams like GATE IES and PSU NET SET JRF UPSC and diploma Especially we are prepare for the Civil Engineering freshers and experienced candidates these model questions are asked in the online technical test Quiz and interview of many companies These are also very important for your lab viva in university exams like RTU JNTU Andhra OU Anna University Pune VTU UPTU CUSAT etc 5000 MCQ Civil Engineering For UPSC GATE PSUs Exams *Civil Engineer Interview Questions and Answers - English* Navneet Singh, Below are some common civil engineer interview questions along with suggested answers

- 1 Can you tell me about your experience as a civil engineer Answer I have X years of experience working as a civil engineer in various roles including project management design and construction oversight During my career I have been involved in a wide range of civil engineering projects including infrastructure development transportation and site development
- 2 What motivated you to pursue a career in civil engineering Answer I have always been fascinated by the built environment and the impact that civil engineering projects have on communities and society as a whole I am passionate about problem solving and applying engineering principles to design and construct innovative solutions that address the needs of the public and improve quality of life
- 3 What technical skills do you possess as a civil engineer Answer I possess a strong foundation in technical skills relevant to civil engineering including proficiency in AutoCAD Civil 3D and other design software I am experienced in structural analysis hydraulic modelling and geotechnical engineering Additionally I have a solid understanding of relevant codes standards and regulations
- 4 How do you approach project management and coordination Answer I believe effective project management is essential for the successful delivery of civil engineering projects I prioritize clear communication

collaboration and stakeholder engagement to ensure that project objectives are met on time and within budget I utilize project management tools and techniques to plan execute and monitor project progress while addressing any challenges that may arise

5 Can you describe a challenging project you worked on and how you overcame obstacles Answer One challenging project I worked on involved the design and construction of a bridge in a geologically complex area prone to landslides We faced numerous obstacles including site access issues environmental constraints and soil instability To overcome these challenges I collaborated closely with geotechnical engineers and environmental specialists to conduct thorough site investigations analyse risks and implement appropriate mitigation measures By leveraging innovative design solutions and proactive risk management strategies we successfully completed the project within the specified timeframe and budget

6 How do you stay updated on industry trends and best practices in civil engineering Answer I stay updated on industry trends and best practices through continuous learning and professional development This includes attending conferences seminars and workshops as well as participating in professional organizations such as the American Society of Civil Engineers ASCE and reading relevant publications and journals

7 What do you find most rewarding about working as a civil engineer Answer The most rewarding aspect of working as a civil engineer is the opportunity to make a tangible impact on the built environment and contribute to the infrastructure that supports communities and improves quality of life Whether it s designing sustainable transportation systems enhancing water resources or implementing resilient infrastructure solutions knowing that my work has a lasting positive impact is incredibly fulfilling

8 How do you handle conflicts or disagreements with team members or stakeholders Answer I believe in fostering open communication and collaboration to address conflicts or disagreements constructively I strive to understand the perspectives of all stakeholders involved actively listen to their concerns and work towards finding mutually beneficial solutions I am adaptable and willing to compromise when necessary always prioritizing the success of the project and the interests of the stakeholders

9 Describe your experience working on multidisciplinary teams Answer I have extensive experience working on multidisciplinary teams comprised of engineers architects planners contractors and other stakeholders I value the diverse perspectives and expertise that each team member brings to the table and actively collaborate to integrate different disciplines and achieve project goals I effectively communicate technical concepts to non technical team members and foster a culture of teamwork trust and mutual respect

10 What are your career goals in civil engineering Answer My career goals in civil engineering include continuing to develop my technical skills expanding my project management capabilities and taking on increasing levels of responsibility and leadership I am committed to lifelong learning and professional growth and I aspire to make meaningful contributions to the field through innovative projects and sustainable infrastructure solutions

These answers provide a framework for addressing common civil engineer interview questions but it s important to tailor your responses to your own experiences skills and career aspirations Practice articulating your responses confidently and concisely to demonstrate your qualifications and

suitability for the civil engineer role **How To Do Well In Gds And Interviews** Time,2008-09 The book is the culmination of years of experience of a dedicated team of experts at the Triumphant Institute of Management Education T I M E Pvt Ltd an institute that has helped students in achieving their goal of making it into the IIMs and other premier B schools in the country over the last 13 years No other work on GDs and interviews is as comprehensive and path breaking as the one in your hands Features includes What do moderators look for in the GDs How does one prepare for GDs How does one score more points in a GD How does one steer clear of the distractions during the course of a GD How does one grab the initiative of others while guarding one s own What do interviewers look for How does one double one s chances of selection How does one make a stress interview stress free *Air Force Civil Engineer* ,1964 *Air Force Engineering & Services Quarterly* ,1984 *Civil Engineer's Illustrated Sourcebook* Robert O. Parmley,2003-03-04 PUT A WEALTH OF INFORMATIVE ENGINEERING INFO RIGHT AT YOUR FINGERTIPS ALL IN A SINGLE HANDY VOLUME When it comes to civil engineering handy access to the right schematics and plans can mean the difference between a winning idea and a concept that dies on the drawing board That s why if adding efficiencies to your work as an engineer is essential McGraw Hill s Civil Engineer s Illustrated Sourcebook is the one volume you shouldn t be without Written by a noted engineering expert with lengthy consultative experience Civil Engineer s Illustrated Sourcebook provides practical step by step information on a broad array of engineering processes From planning materials and design to bidding construction and more this book will show how using a consistent organizational methodology will add power and quality to your work Plus the book also delivers Practical charts tables plans and other data encountered in everyday practice Plan layouts from actual engineering projects Source material from a wide variety of engineering projects And much much more Robust enough for civil engineers contractors technicians and architects and still relevant for students pursuing engineering degrees and certifications Civil Engineer s Illustrated Sourcebook will add a world of invaluable insight to how you do your work Packed with 900 informative illustrations PLANNING Technical Reports Project Scheduling Field Reconnaissance Surveying and Mapping Public Meetings Regulatory Approvals Cost Estimating DESIGN Title Sheet organization Buildings Water Supply and Distribution Fire Protection Wastewater Collection and Treatment Storm Water Systems Dams and Reservoirs Streets Roads and Highways Bridges Airports Athletic Facilities Trailer Courts and Campgrounds Retrofitting and Rehabilitation Specialized Projects Standard Details and Specifications BIDDING PROCESS Bidding Documents Advertising and Bid Openings Construction Contracts CONSTRUCTION Preconstruction Conferences Shop Drawings Safety Inspection and Testing Construction Staking Close Out SUPPLEMENTAL Technical Reference [Knowledge Acquisition in Civil Engineering](#) Tomasz Arciszewski,Lewis A. Rossman,1992 A comprehensive view of knowledge acquisition in civil engineering reflecting both recent theoretical developments in computer science as well as the practical experience gained by civil engineers building expert systems in the past few years Includes a ten page annotated bibliography Annotation copyright Book News Inc Portland Or **Civil**

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