

QUESTION 12 (18 marks)

Based on the Entity concept parameters detailed below:

IS POWER SUPPLY		IS SOLENOID	
U ₀	11.2V	U ₁	12V
I ₀	2A	I ₁	2.5A
C ₀	15µF	C ₁	10µF
L ₀	95mH	L ₁	5mH
L/R	50µH/10m		

Cable

Cable Parameters are:
 Capacitance = 0.1µF/m
 Inductance = 0.5µH/m
 L/R = 60µH/10m

- Given the capacitance values for the power supply, cable and solenoid, what will be the maximum permitted cable length? (2 Marks)
- In considering your answer for part a), and the inductance values of each component, what can the maximum length of the cable be? (2 Marks)
- The solenoid is controlled from an output of the relay mounted in the main enclosure on the machine. The output contact of the relay is not shown in the parameter drawing above. Does it need to be considered when evaluating the circuit parameters? (1 Mark)
- What information would you expect to be displayed on the nameplate of the solenoid? (2 Marks)
- The label on the solenoid has "T2" marked on it. What specific installation requirement would have to be in place for this solenoid to be used on a continuous miner? (1 Mark)

Mechanical Engineering N1 Question Papers

S Ashworth



Mechanical Engineering N1 Question Papers:

Uncover the mysteries within is enigmatic creation, **Mechanical Engineering N1 Question Papers** . This downloadable ebook, shrouded in suspense, is available in a PDF format (*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

https://staging.conocer.cide.edu/book/Resources/Download_PDFS/Famous%20Historians.pdf

Table of Contents Mechanical Engineering N1 Question Papers

1. Understanding the eBook Mechanical Engineering N1 Question Papers
 - The Rise of Digital Reading Mechanical Engineering N1 Question Papers
 - Advantages of eBooks Over Traditional Books
2. Identifying Mechanical Engineering N1 Question Papers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Mechanical Engineering N1 Question Papers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mechanical Engineering N1 Question Papers
 - Personalized Recommendations
 - Mechanical Engineering N1 Question Papers User Reviews and Ratings
 - Mechanical Engineering N1 Question Papers and Bestseller Lists
5. Accessing Mechanical Engineering N1 Question Papers Free and Paid eBooks
 - Mechanical Engineering N1 Question Papers Public Domain eBooks
 - Mechanical Engineering N1 Question Papers eBook Subscription Services
 - Mechanical Engineering N1 Question Papers Budget-Friendly Options
6. Navigating Mechanical Engineering N1 Question Papers eBook Formats

- ePub, PDF, MOBI, and More
- Mechanical Engineering N1 Question Papers Compatibility with Devices
- Mechanical Engineering N1 Question Papers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mechanical Engineering N1 Question Papers
 - Highlighting and Note-Taking Mechanical Engineering N1 Question Papers
 - Interactive Elements Mechanical Engineering N1 Question Papers
- 8. Staying Engaged with Mechanical Engineering N1 Question Papers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mechanical Engineering N1 Question Papers
- 9. Balancing eBooks and Physical Books Mechanical Engineering N1 Question Papers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mechanical Engineering N1 Question Papers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Mechanical Engineering N1 Question Papers
 - Setting Reading Goals Mechanical Engineering N1 Question Papers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Mechanical Engineering N1 Question Papers
 - Fact-Checking eBook Content of Mechanical Engineering N1 Question Papers
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Mechanical Engineering N1 Question Papers Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Mechanical Engineering N1 Question Papers PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Mechanical Engineering N1 Question Papers PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while

supporting the authors and publishers who make these resources available. In conclusion, the availability of Mechanical Engineering N1 Question Papers free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Mechanical Engineering N1 Question Papers Books

What is a Mechanical Engineering N1 Question Papers PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Mechanical Engineering N1 Question Papers PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Mechanical Engineering N1 Question Papers PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Mechanical Engineering N1 Question Papers PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Mechanical Engineering N1 Question Papers PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any

restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Mechanical Engineering N1 Question Papers :

[famous historians](#)

families and neighborhoods the world and its people

familienpolitik grundlagen und aktuelle probleme

[family life in the seventeenth century the verneys of claydon](#)

[family grouping in the primary school](#)

falling in love again sexual enrichment program

[family nursing a nursing process approach](#)

false servant

fall of carthage the punic wars 265-146 bc

family business management handbook

~~family and marital therapy~~

family therapy 7th ed.

[family matters have no fear the urk man is here](#)

[famine disease and the social order in early modern society](#)

[famous adirondack](#)

Mechanical Engineering N1 Question Papers :

[jose marti cra c ateur soy el verso reports budgetbakers](#) - Aug 02 2022

web 2 jose marti cra c ateur soy el verso 2022 06 03 this study focuses on the cognitive processes involved in creole genesis relexification reanalysis and direct leveling the

yo soy el artista hangar tv episode 2014 imdb - Dec 26 2021

web yo soy el artista tv series hangar 2014 plot showing all 0 items jump to summaries it looks like we don t have any plot summaries for this title yet be the first to contribute

jose marti cra c ateur soy el verso pdf moodle morganintl - Jan 27 2022

web comprehending as skillfully as treaty even more than extra will pay for each success bordering to the proclamation as well as sharpness of this jose marti cra c ateur soy

[jose marti cra c ateur soy el verso copy uniport edu](#) - Feb 25 2022

web jun 15 2023 merely said the jose marti cra c ateur soy el verso is universally compatible later than any devices to read essays in legal history paul vinogradoff 1972

jose marti cra c ateur soy el verso pdf - Jul 13 2023

web jose marti cra c ateur soy el verso pieces du memorable proces esmev l an m dc vi entre le pape pavl v et les seigneurs de venise touchant l excommunication du pape

[jose marti cra c ateur soy el verso full pdf old vulkk](#) - May 11 2023

web jose marti cra c ateur soy el verso downloaded from old vulkk com by guest singleton berg the vidas of the troubadours getty publications in this wide

[jose marti créateur soy el verso by carmen val julian assets](#) - Oct 04 2022

web jose marti créateur soy el verso by carmen val julian jose marti créateur soy el verso by carmen val julian bibliographie de la france 1854 bibliographie pdf full text

jose marti cra c ateur soy el verso download only ci kubesail - Jun 12 2023

web 4 jose marti cra c ateur soy el verso 2019 09 15 mediterranean area walter de gruyter the first exhibition to offer a critical assessment of the artistic experimentation that

jose marti kimdir sözleri ve hayatı 7 söz sözkimin com - Dec 06 2022

web José Julián Martí Pérez 28 ocak 1853 19 mayıs 1895 küba bağımsızlık mücadelesinin öncüsü şair ve yazardır gençliği 1853 yılında havana da doğan marti 17 yaşındayken

jose marti crã â ateur soy el verso by carmen val julian - Nov 05 2022

web jose marti crã â ateur soy el verso by carmen val julian textes du colloque consacré à José Martí poète tenu à l École normale supérieure de fontenay st cloud les 26 et 27

[jose marti créateur soy el verso by carmen val julian](#) - Sep 22 2021

web jose marti créateur soy el verso by carmen val julian jose marti créateur soy el verso by carmen val julian newspaper twinfallspubliclibrary oarso1990 by eua ame

marti José créateur soy el amor soy el verso val julian - Jan 07 2023

web jan 15 1995 marti José créateur soy el amor soy el verso val julian on amazon com free shipping on qualifying offers val julian 9782729895112

[jose marti cra c ateur soy el verso pdf download only](#) - Sep 03 2022

web stimulate metamorphosis is really astonishing within the pages of jose marti cra c ateur soy el verso pdf an enthralling opus penned by a very acclaimed wordsmith readers

[jose marti créateur soy el verso by carmen val julian](#) - Oct 24 2021

web jun 26 2023 if you collaborator way such a referred jose marti créateur soy el verso by carmen val julian books that will find the money for you worth obtain the absolutely

jose marti cra c ateur soy el verso pdf app piphany com - Apr 29 2022

web jose marti cra c ateur soy el verso pdf pdf 2023 03 11 web jose marti cra c ateur soy el verso copy web jose marti cra c ateur soy el verso is available in our digital library an

jose marti créateur soy el verso by carmen val julian assets - Mar 29 2022

web may 25 2023 jose marti créateur soy el verso by carmen val julian c est un enfant au solstice d hiver un jeune homme au printemps il est dans toute sa force en t et il tombe

jose marti cra c ateur soy el verso pdf uniport edu - May 31 2022

web apr 11 2023 jose marti cra c ateur soy el verso pdf copy do ceolas co webjose marti cra c ateur soy el verso pdf 1 1 downloaded from do ceolas co uk on january

[jose marti cra c ateur soy el verso jim trelease pdf](#) - Apr 10 2023

web this jose marti cra c ateur soy el verso but end up in harmful downloads rather than enjoying a good book with a cup of coffee in the afternoon instead they cope with some

jose marti cra c ateur soy el verso copy verify meetcircle - Nov 24 2021

web 2 jose marti cra c ateur soy el verso 2020 07 29 strawberry is among the most widely consumed fruits in the world and its cultivation is increasing worldwide it is a

jose marti cra c ateur soy el verso pdf uniport edu - Mar 09 2023

web jose marti cra c ateur soy el verso 1 7 downloaded from uniport edu ng on may 4 2023 by guest jose marti cra c ateur soy el verso thank you for reading jose marti cra c

jose marti cra c ateur soy el verso wendy guerra full pdf - Feb 08 2023

web jose marti cra c ateur soy el verso this is likewise one of the factors by obtaining the soft documents of this jose marti cra c ateur soy el verso by online you might not

jose marti cra c ateur soy el verso uniport edu - Jul 01 2022

web may 8 2023 guest jose marti cra c ateur soy el verso pdf right here we have countless book jose marti cra c ateur soy el verso pdf and collections to check out

jose marti cra c ateur soy el verso copy - Aug 14 2023

web jose marti cra c ateur soy el verso mundo hispánico apr 22 2020 grammaire espagnole compos b ee par l acad b emie royale espagnole traduite en fran p la

sap global trade services edition for sap hana sap online - Sep 16 2023

web sap global trade services edition for sap hana sap gts edition for sap hana helps companies better manage international trade operations ensure ongoing trade compliance and optimize the cross border supply chain the solution delivers automation and

gts100 sap - Feb 09 2023

web you can configure the check settings for complete addresses in the sap global trade services system to do so in your sap gts system go to customizing for sap

setting up preference determination sap learning - Oct 05 2022

web nov 2 2007 hi sap global trade services sap gts automates global trade processes and enables you to manage large numbers of business partners and high volumes of

sap gts global trade services tutorial and training pdf - Mar 30 2022

web what is covered in this course as of now the compliance management module of the sap gts system has been dealt in this course the following topics are covered under the

sap library sap global trade services sap gts sap - May 12 2023

web configuring sap global trade services course outline these materials are provided by sap se or an sap affiliate company for informational purposes only without

gts200 sap - Apr 11 2023

web set up master data transfer from the feeder system to sap gts set up document transfer from the feeder system to sap gts maintain mapping for document transfer from sap

sap help portal - Nov 06 2022

web this course is aimed at participants with no previous knowledge who are interested in gaining an overview of sap global trade services the configuration of selected

kba configure master data change pointers gts ii sap - Jun 01 2022

web sap gts full form is global trade services module introduction tutorial and pdf study materials contains advantages of using gts its functionalities administrator s

gts100 sap global trade services overview sap training - Sep 04 2022

web the transfer of inbound deliveries material documents and billing documents to sap gts always takes place asynchronously this means that the documents are first created in

additional material attributes transfer to gts sap - Dec 07 2022

web during preference determination the sap gts system checks for all components of a bom that due to lack of other information it considers as non originating materials whether

the only sap gts configuration guide you ll ever need - Aug 15 2023

web configuring sap global trade services course outline these materials are provided by sap se or an sap affiliate company for informational purposes only without

setting up the integration into outbound processes sap learning - Jul 02 2022

web describe the sap gts product structure in the context of cross border movements of goods describe the system architecture and the basic principles of data replication

overview on sap gts sapboost com - Nov 25 2021

gts200 cdn training sap com - Oct 25 2021

sap help portal - Jun 13 2023

web with sap global trade services sap gts you can manage all the complexities of international trade including full regulatory compliance electronic communication with

discovering the basics of sap global trade services - Apr 30 2022

web aug 8 2019 legal regulation configuration setup in sap gts 1 3 9 655 legal regulation is controlling elements that determine the custom and compliance law to be observed in

configuring sap global trade services sap learning - Mar 10 2023

web these materials are provided by sap se or an sap affiliate company for informational purposes only without representation or warranty of any kind and sap 1 lesson

analyzing the communication with customs sap learning - Dec 27 2021

web configuring sap global trade services course outline course version 16 these materials are provided by sap se or an sap affiliate company for informational

gts200 sap - Jul 14 2023

web configuration guide for sap global trade services with sap erp describes the settings you need to make to configure the required sap application components and

legal regulation configuration setup in sap gts sap blogs - Feb 26 2022

web sap gts uses the post processing framework ppf to generate idocs for the customs declarations in an sap specific format

and to transfer these documents to the edi

gts documentation and configuration sap community - Aug 03 2022

web symptom changes to master data vendors customers materials in a feeder system are transferred to global trade service

gts via program rbdmidoc or transaction

sap help portal - Jan 08 2023

web the sap gts system selects products and your commodity codes based on change indicators and transfers them to the corresponding feeder systems once you have

sap gts training udemy - Jan 28 2022

web risk management sap gts the risk management module enables trade processes that deal with financial risk to our company this module contains preference management

design of pad foundation structville - Aug 16 2023

web dec 2 2020 structural design example of pad foundation design a square pad footing for a 250 250 mm column carrying a characteristic permanent load g_k of 800 kn and characteristic variable load q_k of 425 kn the presumed allowable bearing pressure of the non aggressive soil is 225 kn m² f_{ck} 30 n mm² f_{yk} 500 n mm² concrete cover

pad foundation design example eurocode 2 design of pad foundation - Dec 08 2022

web may 1 2021 pads are ampere very colored foundation this article contains ampere pad foundation design example to eurocode 2 item the crop punching shear and bending checks blocks are a very common foundation

optimal design of reinforced pad foundation and strip foundation - Jun 02 2022

web sep 1 2018 this article presents an optimal design for reinforced pad and strip foundations based on multiparametric mixed integer and nonlinear programming minlp optimizations

designing a pad foundation to eurocode structures centre - Feb 10 2023

web mar 30 2020 worked example a pad foundation is required for a column 500mm x 500mm the column carries 1750kn from permanent actions and 1050kn from variable actions design the pad foundation completely from c30 37 concrete with steel grade of 460mpa assuming the presumed bearing resistance of the soil is 150kn m²

design of pad footing structural guide - May 01 2022

web worked example to eurocode 2 design of pad footing basic steps 01 calculate the size of the footing considering allowable bearing pressure and service load 02 calculate the bearing pressure for ultimate loads 03 check the

pad foundation design sand concrete verification under - Jul 03 2022

web pad foundations are designed for geotechnical en 1997 1 and reinforced concrete en 1992 1 1 capacities in the geotechnical design the geometry of the pad foundation is found which the soil can resist in the concrete design the

longitudinal and shear reinforcement is calculated geotechnical engineering

what is pad foundation design principles types and selection - Oct 06 2022

web the pad foundations are shallow foundation that take and spread point loads to the soil safely the pad foundation are preferred if the soil at the site have sufficient strength and is not too deep to construct the thickness of pad foundations are generally uniform

design of footings decoding eurocode 7 - Apr 12 2023

web 6 8 structural design of foundations 6 6 9 preparation of the subsoil 2 section 6 of en 1997 1 applies to pad strip and raft foundations and some the worked examples in this chapter consider the design of a pad footing on dry sand example 10 1 the same footing but eccentrically loaded example 10 2 a strip footing on clay

etc10 design examples 2 eurocode 7 - Jun 14 2023

web the design examples 1 pad foundation with vertical central load on dense sand 2 pad foundation with inclined load on boulder clay 3 pile foundation in stiff clay 4 earth and pore water pressures on basement wall 5 embankment

design and construction of pad - Dec 28 2021

web jan 7 2020 the soil's bearing capacity as well as the concrete's strength are the factors that define the angle of the load spread the type of skeletal frame will determine the pad foundation design for example a cast in situ concrete column will require a kicker and continuity bars to be cast into the pad

schematics for the pad foundation design researchgate - Nov 07 2022

web an example of pad foundation design supported by boulder clay developed by european technical committee 10 is used as a site investigation geotechnics and foundation design researchgate

technical guidance note level 2 no 7 designing a concrete pad - May 13 2023

web this technical guidance note covers the design of concrete pad foundations both mass and reinforced concrete forms it will not however discuss how the bearing capacity of the soil is determined as that is explained in technical guidance note

design of biaxial eccentrically loaded pad footing structville - Mar 11 2023

web oct 27 2022 design of biaxial eccentrically loaded pad footing structville a biaxial eccentrically loaded pad footing occurs when the column transmitting load to the foundation is subjected to compressive axial force and bending

design of foundations people utm - Jan 29 2022

web design of pad footing cracking detailing requirements all reinforcements should extend the full length of the footing if 1 5 3 at least two thirds of the reinforcement parallel to l_y should be concentrated in a band width 3 centred at column where l_x l_y and c_x c_y are the footing and column dimension in x and y directions

appendix h design charts for pad and strip foundations - Sep 05 2022

web design examples 5 and 6 in chapter 11 figures h 2 h 3 and h 4 preliminary estimation of effective depth required for reinforced pad bases in bending these design charts give a preliminary estimate of the effective depth required of a pad foundation in bending beam shear and punching shear respectively given the

design of pad footing structural guide pad foundation design - Mar 31 2022

web nov 4 2019 structural loads structural analysis and structural design are simply explained with the worked example for easiness off understandable element designs with notes and discussions have supplementary for get broad knowledge

pad foundation design example eurocode 2 how to design a pad foundation - Feb 27 2022

web may 1 2021 pad foundation design example using prescriptive methoding the construction pad foundation is to be designed against a permanent load of 1200 kn and imposed auslastung are 550 kn there is adenine actual of 250 knm permanent and 200 knm imposed the columns dimensions is 450 expunge 450mm

pad foundation design example eurocode 2 pdf foundation - Aug 04 2022

web pad foundation design example eurocode 2 f design examples civilsguide com c ategory design examples may 1 2021 f linkedin com share mini true url 3a 2f 2fcivilsguide com design example eurocode 2 2f title pad 20foundation 20design 20exam

how to design a pad foundation designing buildings - Jan 09 2023

web pad foundations are a form of spread foundation formed by rectangular square or sometimes circular concrete pads that support localised single point loads such as structural columns groups of columns or framed structures

pad foundation design example eurocode 2 - Jul 15 2023

web may 1 2021 pad foundation design example using prescriptive method the structural pad foundation is to be designed against a permanent load of 1200 kn and imposed load of 550 kn there is a moment of 250 knm permanent and 200 knm imposed the column size is 450 x 450mm fck 40 n mm 2