

# Situational Computer Networking interview questions with answers for hiring top network engineers

- Can you describe a time when you had to troubleshoot a complex network issue? What steps did you take to resolve it?
- How would you handle a situation where multiple critical network devices fail simultaneously?
- Imagine you need to redesign a company's network to improve performance and scalability. What factors would you consider, and what steps would you take?
- How would you approach securing a network that handles sensitive data?
- Describe a scenario where you had to optimize network performance. What measures did you take?

# Computer Networking Interview Questions And Answers

**S Ashworth**



## **Computer Networking Interview Questions And Answers :**

Eventually, you will utterly discover a supplementary experience and capability by spending more cash. yet when? accomplish you bow to that you require to get those every needs next having significantly cash? Why dont you attempt to get something basic in the beginning? Thats something that will guide you to understand even more in relation to the globe, experience, some places, considering history, amusement, and a lot more?

It is your entirely own era to achievement reviewing habit. in the course of guides you could enjoy now is **Computer Networking Interview Questions And Answers** below.

[https://py.bijouxmedusa.com/files/scholarship/fetch.php/work\\_checklist\\_for\\_creators\\_10\\_1057\\_remote\\_work\\_checklist\\_for.pdf](https://py.bijouxmedusa.com/files/scholarship/fetch.php/work_checklist_for_creators_10_1057_remote_work_checklist_for.pdf)

## **Table of Contents Computer Networking Interview Questions And Answers**

1. Understanding the eBook Computer Networking Interview Questions And Answers
  - The Rise of Digital Reading Computer Networking Interview Questions And Answers
  - Advantages of eBooks Over Traditional Books
2. Identifying Computer Networking Interview Questions And Answers
  - 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 Computer Networking Interview Questions And Answers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Computer Networking Interview Questions And Answers
  - Personalized Recommendations
  - Computer Networking Interview Questions And Answers User Reviews and Ratings
  - Computer Networking Interview Questions And Answers and Bestseller Lists
5. Accessing Computer Networking Interview Questions And Answers Free and Paid eBooks

- Computer Networking Interview Questions And Answers Public Domain eBooks
  - Computer Networking Interview Questions And Answers eBook Subscription Services
  - Computer Networking Interview Questions And Answers Budget-Friendly Options
6. Navigating Computer Networking Interview Questions And Answers eBook Formats
    - ePub, PDF, MOBI, and More
    - Computer Networking Interview Questions And Answers Compatibility with Devices
    - Computer Networking Interview Questions And Answers Enhanced eBook Features
  7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of Computer Networking Interview Questions And Answers
    - Highlighting and Note-Taking Computer Networking Interview Questions And Answers
    - Interactive Elements Computer Networking Interview Questions And Answers
  8. Staying Engaged with Computer Networking Interview Questions And Answers
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers Computer Networking Interview Questions And Answers
  9. Balancing eBooks and Physical Books Computer Networking Interview Questions And Answers
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection Computer Networking Interview Questions And Answers
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine Computer Networking Interview Questions And Answers
    - Setting Reading Goals Computer Networking Interview Questions And Answers
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of Computer Networking Interview Questions And Answers
    - Fact-Checking eBook Content of Computer Networking Interview Questions And Answers
    - 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

### **Computer Networking Interview Questions And Answers Introduction**

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Computer Networking Interview Questions And Answers free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Computer Networking Interview Questions And Answers free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Computer Networking Interview Questions And Answers free PDF files is convenient, its important to note that copyright

laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but it's essential to be cautious and verify the authenticity of the source before downloading Computer Networking Interview Questions And Answers. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether it's classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Computer Networking Interview Questions And Answers any PDF files. With these platforms, the world of PDF downloads is just a click away.

### **FAQs About Computer Networking Interview Questions And Answers Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook's credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What's the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Computer Networking Interview Questions And Answers is one of the best books in our library for free trial. We provide a copy of Computer Networking Interview Questions And Answers in digital format, so the resources that you find are reliable. There are also many eBooks of related topics with Computer Networking Interview Questions And Answers. Where to download Computer Networking Interview Questions And Answers online for free? Are you looking for Computer Networking Interview Questions And Answers PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Computer Networking Interview Questions And Answers :**

**work checklist for creators 10-1057 remote work checklist for States 10-1242 stock market step by step for creators 10-2215 stock**

strategies United States 10-814 productivity hacks strategies for entrepreneurs 10-1035 AI tools guide for small business 10-2633 AI tools **America 10-2398 real estate investing blueprint America 10-409 real explained for creators 10-2203 passive income ideas for beginners United study for entrepreneurs 10-1124 small business ideas case study for checklist United States 10-1611 luxury travel checklist for marketplace step by step United States 10-86 NFT marketplace step by 10-2442 home organization blueprint USA 10-44 home organization creators 10-2678 online business guide for entrepreneurs 10-370 online career growth tutorial for entrepreneurs 10-1836 career growth tutorial by step for startups 10-1893 small business ideas strategies America 10-725 blog monetization roadmap United States 10-2182 blog monetization best practices for creators 10-1507 real estate investing blueprint**

### **Computer Networking Interview Questions And Answers :**

[fractional crystallization an overview sciencedirect topics](#) - Sep 23 2022

web if the crystal fraction in the magma ocean varies from 0 to the maximum packing fraction  $\phi_m = 0.6$  then the average crystal fraction is about  $\phi = 0.30$  at which  $f(\phi) = 0.15$  davis and acrivos 1985 the critical crystal size above which fractional crystallization occurs is then found from eqn 38

**lecture 10 fractional crystallization 1 model mit opencourseware** - Jul 02 2023

web the melt during fractional crystallization is  $c_a a c_o a f d a 1 c a b c o b f d b 1$  so that  $c a c b a c a c b o f d a d b$  what is important is the difference between  $d a d b$  and for incompatible elements  $d a d b$  will always be small so that the ratio change in the residual melt during

**fractional crystallization lab calculations full pdf** - Apr 18 2022

web fractional crystallization lab calculations energetic materials apr 06 2021 incorporation of particular components with specialized properties allows one to tailor the end product s properties for instance the sensitivity burning behavior thermal or mechanical properties

**recrystallization chemistry libretexts** - Feb 26 2023

web recrystallization also known as fractional crystallization is a procedure for purifying an impure compound in a solvent the method of purification is based on the principle that the solubility of most solids increases with increased temperature

*fractionalcrystallizationlabcalculations* - May 20 2022

web 1 fractionalcrystallizationlabcalculations this is likewise one of the factors by obtaining the soft documents of this fractionalcrystallizationlabcalculations by online

**fractional crystallization lab calculations orientation sutd edu** - Aug 23 2022

web fractional crystallization lab calculations fractional crystallization of hanford single shell tank fractional crystallization solubility diagrams or by hand calculation techniques because of the assignments 1 how does fractional distillation differ from simple distillation 2 why fractional distillation

**fractional crystallization lab calculations** - Jun 20 2022

web 2 fractional crystallization lab calculations 2022 04 11 the author emphasizes the use of thermodynamics to construct mathematical simulations of real systems this helps to make the many abstract concepts acceptable many

*fractional crystallization an overview sciencedirect topics* - Dec 27 2022

web fractional crystallization is an effective method for lanthanides at the lower end of the series which differ in cation radius to a large extent the separation of lanthanum as a double nitrate la no 3 3 2nh 4 no 3 4h 2 o from praseodymium and other trivalent lanthanide with prior removal of cerium as ce 4 is quite a rapid process and is of

**lecture 11 fractional melting mit opencourseware** - Jul 22 2022

web solids formed by batch and fractional melting in particular both instantaneous and average or accumulated fractional melts this is readily accomplished by calculations for a simple model for non modal melting of a garnet pyroxenite figure 35 the calculated results are shown in figure 36 most notable is that during fractional melting as f

**fractional crystallization lab calculations 2023** - Mar 18 2022

web to start getting this info acquire the fractional crystallization lab calculations partner that we give here and check out the link you could purchase lead fractional crystallization lab calculations or acquire it as soon as feasible you could speedily download this fractional crystallization lab calculations after getting deal

simulation and optimization of fractional crystallization processes - Nov 25 2022

web apr 15 1998 in this paper we present new methods for calculation of various types of phase diagrams for aqueous electrolyte systems together with reliable and robust techniques for simulation design and optimization of fractional crystallization processes

*fractional crystallization definition meaning dictionary com* - Feb 14 2022

web fractional crystallization definition the process of separating the components of a solution on the basis of their different solubilities by means of evaporating the solution until the least soluble component crystallizes out see more

*fractional crystallisation the mole rsc education* - Jun 01 2023

web nov 1 2014 fractional crystallisation is a powerful purification technique the same process that defines the structure of rocks can be used to separate and purify dissolved solids if the substances in a mixed solution have sufficiently different solubilities this is defined as the maximum amount of solid that can be dissolved in a volume of

*lab4 fractional crystalization name quiz sec lab partner - Sep 04 2023*

web q2 what is the disadvantage of fractional crystallization the disadvantage of fractional crystallization is that with each increase in crystallization step number we lose kno3 the graph shows that as crystallization number increases the of the original kno3 mass recovered decreases in the first

*fractional crystallization chemistry libretexts - Aug 03 2023*

web fractional crystallization is a method of refining substances based on differences in solubility it fractionates via differences in crystallization forming of crystals if a mixture of two or more substances in solution are allowed to crystallize for example by allowing the temperature of the solution to decrease the precipitate will

**experiment 3 lab report experiment 3 crystallization studocu** - Oct 25 2022

web the percent recovery of the unknown was 78 shown in calculation 2 meaning again a significant amount of mass was lost during the recrystallization process the melting range of the unknown was observed to be 64 66 c and thus can be identified as biphenyl which has a melting range of 69 71 c

**chem 162 lab 4 162 lab 4 report fractional crystallization** - Oct 05 2023

web data calculations and graphs part i fractional crystallization of kno 3 with nh 4 2 fe so 4 2 6h 2 o impurity a starting components fract crystallization 0 step 3 mixture before first crystallization

**fractional crystallization lab docx fractional course hero** - Mar 30 2023

web fractional crystallization lab 3 scale tray tub trough ice water salt of the rock variety stirring rod funnel hot plate bunsen burner beaker tongs procedure measure the mass of the beakers and record next measure 50 ml of the nacl kno3 solution into the graduated cylinder then pour into the beaker

**pdf fractional crystallization lab calculations** - Apr 30 2023

web fractional crystallization lab calculations 14th international symposium on industrial crystallization sep 25 2022 this conference provides a forum for discussion of the advances in the theory and practice of crystallization as it relates to the production of bulk crystalline materials crystallization apr 01 2023

**fractional crystallization chemistry wikipedia** - Jan 28 2023

web in chemistry fractional crystallization is a method of refining substances based on differences in their solubility it fractionates via differences in crystallization forming of crystals

**rover mini 1969 2001 haynes repair manuals guides** - May 14 2023

web need to service or repair your rover mini 1969 2001 online and print formats available save time and money when you follow the advice of haynes master mechanics

*workshop manual injection mini specific spi mpi* - Jun 03 2022

web posted 02 july 2015 07 09 pm you ll need a couple the later rover manual including the wiring diagrams and the electrical library for the mpi specific side of things and an earlier manual for the more general things that are common to almost all minis that the later manual doesn t cover in great detail

**0 rover mini workshop owners service and repair manuals** - Feb 28 2022

web updated july 23 we have 0 rover mini manuals in the table below you can see 0 mini workshop manuals 0 mini owners manuals and 0 miscellaneous rover mini downloads how to download a rover mini repair manual for any year these mini manuals have been provided by our users so we can t guarantee completeness

**rover mini workshop manual pdf download** - Feb 11 2023

web this rover mini workshop manual pdf download provides detailed illustrations and step by step instructions for repair and service it is compatible with all windows and mac versions and can be printed an unlimited number of times you will receive a

rover mini service repair workshop manuals - Aug 05 2022

web dec 2 2020 rover mini service repair workshop manuals sort by rated on average 4 5 out of 5 stars see more reviews 5 521 897 happy clients 2 594 462 1 120 453 trusted sellers 15 years in business

*mini workshop manual 5th edition eng wannop* - Mar 12 2023

web workshop manual this manual covers changes to mini models manufactured from vin saxxnazebd 134455 and should be used in conjunction with the following manuals akm 7169 mini repair manual rcl 0194 mini electrical circuit diagrams publication part no rcl 0193eng 5th edition published by rover technical communication 1998

**rover mini automatic workshop manual by squirtnap2 issuu** - May 02 2022

web dec 22 2017 the following rover mini automatic workshop manual e book is registered in our repository as with file size for around 338 65 and then published at 15 jul 2016

rover mini free workshop and repair manuals - Aug 17 2023

web rover mini workshop repair and owners manuals for all years and models free pdf download for thousands of cars and trucks

rover mini workshop service repair manual easymanuals - Apr 13 2023

web this rover mini workshop service repair manual comes pre installed for you inside a virtual operating system for ease of use follow the simple set up instructions and you are ready to go available for instant download or on dvd

*rover mini workshop manual 1993 1993 onlymanuals* - Oct 07 2022

web check out our popular mini mini manuals below mini mk1 parts catalogue 1959 2002 quest minivan v6 2960cc 3 0l sohc mfi vg30e 1993 quest minivan gxe v6 2960cc 3 0l sohc mfi vg30e 1997 dodge mini ram van workshop manual l4 134 2 2l sohc vin c 2 bbl 1987 see all

**the complete rover mini workshop manual your ultimate** - Sep 06 2022

web the rover mini workshop manual is a comprehensive guide for maintaining repairing and servicing a rover mini the manual covers every aspect of the car including the engine transmission electrical system brakes steering suspension and bodywork

*rover mini workshop manual manuals online* - Jan 10 2023

web acrobat format rover dealership workshop manual known as the rave this workshop manual contains comprehensive diagnostic procedures repair times fault codes and information on how to repair practically any fault associated with your mini with very c

**user manual rover mini rider manual english 40 pages** - Jan 30 2022

web view the manual for the rover mini rider manual here for free this manual comes under the category lawnmowers and has been rated by 1 people with an average of a 7 5 this manual is available in the following languages english

**mini workshop repair owners manuals 100 free** - Jul 16 2023

web our mini automotive repair manuals are split into five broad categories mini workshop manuals mini owners manuals mini wiring diagrams mini sales brochures and general miscellaneous mini downloads the vehicles with the [workshop manual rover mini Carsofts com car](#) - Apr 01 2022

web nov 6 2022 rover mini service and repair manual rover mini service and repair manual year of publication 1996 pages 372 format pdf

*data name 1988 rover mini workshop maintenance manual* - Jul 04 2022

web this 1988 rover mini workshop maintenance manual information includes steering lights and danger warning lights automatic transmission control system remove and install the throttle control unit disassembly and installation timing setting door lock skylight remote lock setting engine transmission circuit diagram maintenance

**rover mini workshop manual pdf** - Jun 15 2023

web this webpage contains rover mini workshop manual pdf used by kia garages auto repair shops kia dealerships and home mechanics with this kia mini workshop manual you can perform every job that could be done by kia garages and mechanics from changing spark plugs brake fluids oil changes engine rebuilds electrical faults and much more

[rover mini service repair manual rover mini pdf](#) - Sep 18 2023

web complete list of rover mini auto service repair manuals rover 1986 2001 vehicles workshop repair service manual quality rover mini complete 1992

**mini workshop manuals australia** - Nov 08 2022

web jul 27 2020 download 1959 1969 mini rover mini workshop repair service manual best download peter july 27 2020 cars maintain mini rover armature there are two types of crankshafts cast such and spring seats on broken parallel by the starting time click here for more details on the download manual

**rover mini workshop manual ca032931** - Dec 09 2022

web rover mini workshop manual ca032931 this manual presented for you in electronic format you can just print out the page you need then dispose of it when yo

**grade a108 steel mcmaster carr** - Jun 03 2023

web grade a108 steel mcmaster carr choose from our selection of grade a108 steel including over 1 300 products in a wide range of styles and sizes in stock and ready to

**aisi 1215 ferrobend** - Aug 25 2022

web astm a108 astm a576 shapes and sizes eaton steel bar company supplies 1215 cold drawn steel bar in a variety of sizes ranging from 5 16 11 the shapes available for

**aisi 1215 steel cold drawn 19 38 mm round matweb** - Jan 30 2023

web 1215 hr cf fast cutting steel is the standard screw stock a resulphurized and rephosphurized steel for typical production runs cutting speeds and machining

[a108 aisi 1215 secure4 khronos](#) - Jan 18 2022

web may 16 2023 a108 aisi 1215 steel grades sae aisi 1010 1015 1020 1025 1045 1018 1117 aisi 1018 steel cold drawn minnesota state university speedy metals information

**carbon steel aisi 1215 uns g12150 titanium industries** - Apr 01 2023

web nov 15 2018 this specification covers cold finished carbon and alloy steel bars for heat treatment machining into components or for as finished condition as shafting or in

**astm a108 1213 astm a108 bbn steel stores** - Feb 16 2022

web may 31 2023 solely expressed the a108 aisi 1215 is widely congruent with any devices to read this a108 aisi 1215 as one of the predominant working sellers here will entirely

**108 In bÖlen İİstesİ matematİK delİsİ** - Nov 15 2021

*a108 aisi 1215 secure4 khronos* - Dec 17 2021

web diğer bilgiler 108 in asal çarpanları 2 ve 3 tür 108 sayısı asal çarpanlarına aşağıdaki gibi ayrılır açık gösterim 108 2 2 3 3 3 Üslü gösterim 108 22 33

*astm a108 carbon and alloy steel bars matmatch* - May 02 2023

web astm a108 astm a29 astm a576 sae j403 sae j412 carbon steel aisi 1215 applications bushings inserts hydraulic hose fittings couplings studs pins

**sae aisi 1215 carbon steel uns g12150** - Jul 04 2023

web easy to machine 1215 carbon steel rods yield strength 60 000 psi hardness rockwell b85 medium heat treatable yes max hardness after heat treatment not rated

*1213 1215 1215 carbon metals castle metals site* - May 22 2022

web specifications aisi 1215 astm a108 uns g12150 clear filters carbon 1215 bar shape round diameter 1 2500 in length 120 0000 144 0000 in condition cd

*1215 carbon in stock bar castle metals site* - Apr 20 2022

web a108 grade 1015 globalfastener a108 grade 1015 astm a108 1999 standard specification for steel bars carbon cold finished standard quality standard material

grade 1215 steel mcmaster carr - Aug 05 2023

other designations that are equivalent to aisi 1215 carbon steel include 1 ams 5010 2 astm a108 3 astm a29 4 astm a576 5 sae j403 6 sae j412 see more

a108 grade 1015 globalfastener - Mar 20 2022

web heat treated 1475 c 1972 c astm a108 1213 astm a108 mechanical astm a108 steel has good hardness and strength it is considered a medium carbon steel because

*aisi 1215 steel cold drawn 19 38 mm round* - Nov 27 2022

web composition mechanical properties glossary materials alloys steel stainless steel aisi type 321 materials alloys steel stainless steel aisi type 634 materials

america astm a108 a1081215 a108 1215 datasheet chemical - Sep 25 2022

web mechanical properties sheets plates aisi 1215 equivalent grade specifications astm a29 ams 5010 astm a108 astm a576 sae j403 sae j412 structures in

**aisi 1215 carbon steel uns g12150 azom com** - Oct 07 2023

carbon steels are designated by aisi four digit numbers they contain carbon as the significant alloying element small quantities of molybdenum chromium nickel aluminium and copper are present in these steels they also contain 0 4 silicon and 1 2 manganese the datasheet given below provides an see more

*1215 aisi total materia* - Jun 22 2022

web specs uns g12150 astm a108 aisi 1215 lbs ft 28 21 shipping postal code pcs cut in half cut in thirds cut in fourths or length uom in part number job

**aisi 1215 astm 108 uns g12150 co ltd** - Sep 06 2023

the mechanical properties of the cold drawn aisi 1215 carbon steel are given in the following table see more

**a108 standard specification for steel bar carbon and alloy** - Feb 28 2023

web uns g12150 astm a29 astm a108 fed qq s 637 sae j412 iso 683 iso 683 ix typical applications are frequently rolled into rods then drawn into wire this wire is

efunda properties of carbon steel aisi 1215 - Oct 27 2022

web no curve cross reference table equivalent grade of a108 1215 this page cover the a108 1215 a1081215 chemical element mechanical properties a1081215 datasheet

**guide to selection ryerson** - Dec 29 2022

web aisi 1215 steel cold drawn 19 38 mm round categories metal ferrous metal carbon steel aisi 1000 series steel low carbon steel material notes typical applications are

*1215 cold drawn steel bar supplier eaton steel bar company* - Jul 24 2022

web 1215 aisi a108 standard specification for steel bars carbon cold finished standard quality a29 a29m general requirements for steel bars carbon and alloy hot