

BIOLOGY NMDCAT

PMC UNIT WISE TESTS

TOPIC:

✓ Variations and Genetics / Inheritance

- Q.1** The sequence of nucleotides that determines the amino acid sequence of a protein is called:
 A. Gamete
 B. Chromatid
 C. Chromosome
 D. Gene
- Q.2** All the genes found in a breeding population at a given time are collectively termed as:
 A. Gene frequency
 B. Gene cluster
 C. Gene operon
 D. Gene pool
- Q.3** It is the genetic complement for a particular trait in an individual:
 A. Genotype
 B. Phenotype
 C. Genome
 D. Karyotype
- Q.4** Organism of pure line is that which produces individuals of
 A. Dominant characters
 B. Its own character type
 C. Recessive characters
 D. Intermediate type
- Q.5** The organism chosen by G. Mendel to explain the laws of inheritance was:
 A. *Homo sapiens*
 B. *Arabidopsis thaliana*
 C. *Pisum sativum*
 D. *Drosophila melanogaster*
- Q.6** All of the following are recessive phenotypes found in Mendelian experimental plant except:
 A. Constricted pod shape
 B. Wrinkled seed shape
 C. Green pod color
 D. Short plant height
- Q.7** In Mendel's monohybrid cross, short stem trait becomes recessive in F_1 generation. It will express in F_2 generation only when/in:
 A. Alleles express co-dominantly
 B. Alleles express via incomplete dominance
 C. Homozygous recessive condition
 D. Homozygous dominant condition
- Q.8** Mendel's law of segregation was based on the separation of alleles in the garden pea during:
 A. Pollination
 B. Seed formation
 C. Embryonic development
 D. Gamete formation
- Q.9** Depict the genotypic ratio of the cross between ' $Tt \times Tt$ ' plants:
 A. 3: 1
 B. 1:3:3:9
 C. 1: 2: 1
 D. 9:3:3:1
- Q.10** Keeping in view the Mendel's law of segregation, if tall plants were crossed with short heighted plants, then which of the following best describe the F_1 progeny?
 A. Homozygous and tall heighted
 B. Heterozygous and tall heighted
 C. Homozygous and short heighted
 D. Heterozygous and short heighted
- Q.11** A test cross is best described by:
 A. $TT \times Tt$
 B. $TT \times tt$
 C. $tt \times tt$
 D. $Tt \times Tt$
- Q.12** Mendel's law of independent assortment is not obeyed by:
 A. Dominant genes
 B. Mutant genes
 C. Recessive genes
 D. Linked genes
- Q.13** In Mendelian dihybrid cross, how many individuals are homozygous recessive for both traits in F_2 generation?
 A. 1/16
 B. 4/16
 C. 2/16
 D. 6/16
- Q.14** It is the chance of an event to occur:
 A. Product rule
 B. Summation rule
 C. Division rule
 D. Probability
- Q.15** With a genotype $AaBb$, the fraction of gametes that will contain 'ab' alleles is:
 A. 1/16
 B. 1/4

Mcq Of Genetics With Answers

N Noddings



Mcq Of Genetics With Answers:

Embark on a breathtaking journey through nature and adventure with is mesmerizing ebook, Natureis Adventure: **Mcq Of Genetics With Answers** . This immersive experience, available for download in a PDF format (PDF Size: *), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

https://staging.conocer.cide.edu/results/book-search/Download_PDFS/la%20promise%20du%20vicomte.pdf

Table of Contents Mcq Of Genetics With Answers

1. Understanding the eBook Mcq Of Genetics With Answers
 - The Rise of Digital Reading Mcq Of Genetics With Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Mcq Of Genetics With 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 Mcq Of Genetics With Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mcq Of Genetics With Answers
 - Personalized Recommendations
 - Mcq Of Genetics With Answers User Reviews and Ratings
 - Mcq Of Genetics With Answers and Bestseller Lists
5. Accessing Mcq Of Genetics With Answers Free and Paid eBooks
 - Mcq Of Genetics With Answers Public Domain eBooks
 - Mcq Of Genetics With Answers eBook Subscription Services
 - Mcq Of Genetics With Answers Budget-Friendly Options
6. Navigating Mcq Of Genetics With Answers eBook Formats

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

Mcq Of Genetics With 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 Mcq Of Genetics With 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 Mcq Of Genetics With 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 Mcq Of Genetics With 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 its essential to be cautious and verify the authenticity of the source before downloading Mcq Of Genetics With Answers. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its 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 Mcq Of Genetics With Answers any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Mcq Of Genetics With Answers Books

What is a Mcq Of Genetics With Answers 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 Mcq Of Genetics With Answers 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 Mcq Of Genetics With Answers 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 Mcq Of Genetics With Answers 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 Mcq Of Genetics With Answers 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.

final report about the training course conducted globalgiving - Mar 29 2022

how to format and present your training report and - Jul 13 2023

web nov 2 2018 generally a training report will evaluate the positive and negative aspects of a training program after the event has occurred as such you ll start by defining the

what should you do after your training course - Oct 04 2022

web to give more attention to women and youth sectors in future training evaluation training has been evaluated by the participants through evaluation forms and the results were

training report 3 day training of trainers - May 11 2023

web training reports is made to analyze and button points that should be derived from training sessions in order to make progress with the find on these training programs these

report of the training sswm find tools for - Nov 05 2022

web nov 1 2006 a formal annual report on training activity and results takes the idea one step further consolidating individual analyses into one comprehensive report plus

training report 24 examples format pdf examples after - Dec 06 2022

web training report prepared by dr s s ndeki august 2011 name of training leadership training for emoc hosting institution tanzania training centre for

how to structure a training report and summary - Aug 14 2023

web the training was organized at rock city resort swat from 18th 20th jul 2016 6 proceedings day 01 session i introduction to workshop and

how do i write a report on a training seminar attended - Mar 09 2023

web the training was organized in cooperation with uneclac and combined two training courses developed by itu and unctad on the production of harmonized ict statistics

training report 24 examples format pdf - Jun 12 2023

web it is probably easier than you think to write a report on a training seminar that you have attended there are certain things that you are going to have to ensure you include such

reporting and analysis share the story of training s impact - Jan 27 2022

5 training workshop report templates in pdf doc - Dec 26 2021**doc sample of report on seminar attended** - Feb 25 2022

51 sample training reports in pdf ms word - Feb 08 2023

web the report provides an integrated perspective on all psea training efforts including the initial needs assessments pilot sessions conducted in kenya for the somali country

summary training report psea task force - Aug 02 2022

web 5 training workshop report templates in pdf doc report template report in word report in pages report in google docs report in google sheets free report teachers

training report the university of warwick - May 31 2022

web jun 14 2017 training activities discussion points activities planned vs accomplished sl no activities responsible person status reason for not completion remarks planned

how to write a report on training workshop attended - Nov 24 2021

36 training report templates free sample example - Jan 07 2023

web 20 may 2016 this report shall be compiled by the coe focal point soon after the training and shall be forwarded to the itu regional office within seven days after the training

end of training report itu - Jul 01 2022

web it is a good idea for you to set up the report like this give the title and some information about the presenters so the readers get an idea of the general point and the presenters

how to write a training report bizfluent - Apr 10 2023

web feb 14 2014 here are 4 things you should be doing after the training course reflect it is easy to forget important pieces of information when you are learning so much in a short

wyndham grand İstanbul kalamış marina hotel zomato - Jun 01 2022

web divan patisserie cafe wyndham grand İstanbul kalamış marina hotel İstanbul kalamış view reviews menu contact location and more for divan patisserie cafe wyndham grand İstanbul kalamış marina hotel restaurant

bistrot du palais paris vivienne tripadvisor - Dec 27 2021

web 18 rue de la banque 75002 paris france vivienne 0 5 km de domaine national du palais royal site internet e mail 33 1 42 60 05 70 améliorer cette page établissement avis 4 contrôle des avis

le palais du déviant by tim powers - Mar 10 2023

web la vente de cet article permet de financer la plantation d arbres en france bulletin officiel du d partement de la justice v 1 8 no april 16th 2020 viant vosp fut 6voqu6e a l itudience du non prise le coilt da considrantque la loi du 30 06tebre 1860 pr6seat jugement le c bulletin v applaudit aket liew soit parl article1812 du code civil

le palais du da c viant uniport edu - Apr 30 2022

web apr 9 2023 le palais du da c viant 1 4 downloaded from uniport edu ng on april 9 2023 by guest le palais du da c viant right here we have countless book le palais du da c viant and collections to check out we additionally give variant types and furthermore type of the books to browse the tolerable book fiction history novel scientific research as

le palais du da c viant pdf uniport edu - Jul 02 2022

web jun 15 2023 le palais du da c viant 1 4 downloaded from uniport edu ng on june 15 2023 by guest le palais du da c viant getting the books le palais du da c viant now is not type of challenging means you could not unaccompanied going next ebook accrual or library or borrowing from your links to get into them this is

le palais du da c viant labs fuseinteractive - Jul 14 2023

web précédée d un essai historique sur la conquête de la sicile par les normands traduction par m a campion communiquée à la société française pour la conservation des monuments par m de caumont

le palais de dolmabahce istanbul - Oct 05 2022

web jan 20 2023 traditionnellement on passe devant la chambre où atatürk décède et où la pendule est désormais arrêtée à l heure de sa mort reconnu comme le plus grand palais de la turquie il recèle bien d autres trésors qu une seule visite ne permet pas de découvrir le palais de dolmabahce istanbul

le palais dervich à sedan menu et photos eat list - Jan 28 2022

web le palais dervich situé à sedan 08 est un établissement de type restaurant turc consultez leur carte menu 1 pages les horaires d ouverture 3 photos à voir source facebook de le palais dervich le restaurant source facebook de le palais dervich la salle de restauration source facebook de le palais dervich

palais de dolmabahçe horaires prix et adresse istanbul - Nov 06 2022

web le palais de dolmabahçe a remplacé le palais de topkapi pour accueillir les sultans de 1856 à 1924 année de l abolition du califat le style architectural du palais combine un style baroque occidental rococo et néoclassique à une structure ottomane traditionnelle

le palais du da c viant pdf uniport edu - Apr 11 2023

web apr 28 2023 le palais du da c viant 1 5 downloaded from uniport edu ng on april 28 2023 by guest le palais du da c viant when somebody should go to the books stores search opening by shop shelf by shelf it is really problematic this is why we allow the books compilations in this website it will certainly ease you to

le palais d asie la valette du var restaurant avis numéro de - Feb 26 2022

web le palais d asie page attribuée avis enregistrer partager 18 avis n° 34 sur 61 restaurants à la valette du var chinoise japonaise asiatique avenue de l universite 83160 la valette du var france 33 6 95 44 07 86 site web fermé à l heure actuelle

voir tous les horaires

les 5 palais somptueux à visiter à istanbul 2 palais d été - May 12 2023

web aug 27 2022 le palais dolmabahçe situé dans le plus bel endroit d istanbul au bord du bosphore est un palais de l empire ottoman aujourd'hui devenu un des musées les plus importants de la ville ce palais dont la construction a commencé sous le règne du sultan abdulmecit i a été achevé en 1855 et est devenu l'un des lieux importants

le palais du da c viant 2022 doblespacio uchile - Aug 03 2022

web le palais du da c viant 1 le palais du da c viant this is likewise one of the factors by obtaining the soft documents of this le palais du da c viant by online you might not require more become old to spend to go to the books introduction as capably as search for them in some cases you likewise complete not discover the message le palais du

palais dolmabahçe dolmabahçe sarayı istanbul istanbul - Dec 07 2022

web le palais dolmabahçe dolmabahçe sarayı en turc est situé dans le quartier de besiktas istanbul le long du bosphore sa signification linguistique correspond au palais du jardin comblé du fait de l'aménagement d'une baie du bosphore en un jardin au 17^{ème} siècle

le palais du da c viant pdf blueskywildlife - Sep 04 2022

web aug 24 2023 le palais mazarin et les grandes habitations de ville et le campagne au dix septième siècle quatrième lettre sur l'organisation des bibliothèques dans paris notes

journées européennes du patrimoine au ministère de la culture le - Jan 08 2023

web le ministère de la culture organise sur l'ensemble du territoire la 40^e édition des journées européennes du patrimoine samedi 16 et dimanche 17 septembre prochain sur les thèmes du patrimoine vivant patrimoine du sport actuellement près de 28 000 événements sont recensés

rue du palais au vigan commerces magasins et boutiques pages jaunes - Mar 30 2022

web saveurs du sud 4 rue palais 30120 le vigan voir le plan soyez les bienvenus au sein de notre supérette de proximité où vous pourrez bénéficier dépôt de pain produits bio charcuterie à la coupe produit halal fromages à la coupe produit casher

le palais du da c viant 2022 reports budgetbakers - Aug 15 2023

web le palais du da c viant cosmopolis relation d'une excursion monumentale en sicile et en calabre précédée d'un essai historique sur la conquête de la sicile par les normands traduction par m a campion communiquée à la société française pour la conservation des monuments par m de caumont histoire de naples depuis charles vi jusqu'à

le palais du da c viant blog stylewe - Jun 13 2023

web le palais du da c viant cosmopolis a history of french architecture biographie universelle ancienne et moderne correspondance des directeurs de l'academie de france voyage archéologique et pittoresque dans le département de l'aube et

dans l ancien diocèse de troyes memory oblivion brésil grand

journées du patrimoine 10 lieux incontournables à les echos - Feb 09 2023

web 1 day ago journée du patrimoine 10 lieux incontournables à visiter en 2023 le musée de victor hugo réserve cette année des belles surprises aux visiteurs getty images visiter l elysée l

bright horizons the monochrome world of emma peel bookshop - Jul 07 2023

web mar 12 2014 it was a product of the constantly evolving 1960s yet retains a timeless charm at the crossroads between the cathy gale era stricture of video tape and the glossy surreal comic strip world of glorious technicolor the monochrome filmed emma peel season represents the artistic pinnacle of a show which was exported around the world

bright horizons the monochrome world of emma peel 1 - May 05 2023

web bright horizons the monochrome world of emma peel 1 cogzell richard burch darren ginez bernard amazon sg books

bright horizons the monochrome world of emma peel the - Oct 30 2022

web mar 12 2014 bright horizons is the finest most comprehensive book ever compiled on series 4 the emma peel monochrome era of the avengers the specialist interpretation of each episode is absolutely breathtaking in its stunning detail

bright horizons youtube - Mar 23 2022

web at bright horizons we provide early childhood education employer sponsored child care back up care education advice services and other work life balance solutions

bright horizons the monochrome world of emma peel goodreads - Oct 10 2023

web 3 ratings0 reviews edited by the author of the popular subversive champagne bright horizons represents the first part in a unique exciting five volume collection covering every single one of the 109 filmed avengers episodes

bright horizons the monochrome world of emma peel the - Feb 02 2023

web at the crossroads between the cathy gale era stricture of video tape and the glossy surreal comic strip world of glorious technicolor the monochrome filmed emma peel season represents the artistic pinnacle of a show which was exported around the world and remains the only british television drama to be networked at primetime in

mrs peel we re needed the technicolor world of emma peel - Aug 28 2022

web aug 24 2014 rodney marshall createspace independent publishing platform aug 24 2014 avengers television program 378 pages following the success of bright horizons mrs peel we re needed the

bright horizons the monochrome world of emma peel - Jul 27 2022

web bright horizons the monochrome world of emma peel cogzell richard burch darren ginez bernard amazon ae □□□

bright horizons the monochrome world of emma peel paperback - Apr 04 2023

web mar 12 2014 edited by the author of the popular subversive champagne bright horizons represents the first part in a

unique exciting five volume collection covering

bright horizons the monochrome world of emma peel - Mar 03 2023

web noté 5 retrouvez bright horizons the monochrome world of emma peel et des millions de livres en stock sur amazon fr achetez neuf ou d occasion

bright horizons the monochrome world of emma peel - Jun 06 2023

web buy bright horizons the monochrome world of emma peel by cogzell richard burch darren ginez bernard online on amazon ae at best prices fast and free shipping free returns cash on delivery available on eligible purchase

9781497302495 bright horizons the monochrome world of emma peel - Apr 23 2022

web bright horizons the monochrome world of emma peel volume 1 the avengers on film find all books from marshall rodney at find more books com you can find used antique and new books compare results and immediately purchase your selection at the best price 9781497302495

bright horizons the monochrome world of emma peel the - Sep 09 2023

web mar 12 2014 bright horizons the monochrome world of emma peel the avengers on film marshall rodney marshall rodney marshall roger cogzell richard burch darren ginez bernard chauvet denis denham sam gordon margaret j ferguson j z on amazon com free shipping on qualifying offers

bright horizons the monochrome world of emma peel the - Nov 30 2022

web bright horizons the monochrome world of emma peel the avengers on film band 1 marshall rodney marshall rodney cogzell richard burch darren ginez bernard chauvet denis denham sam gordon margaret j ferguson j z marshall roger amazon de bücher

bright horizons the monochrome world of emma peel by - Jun 25 2022

web oct 4 2023 find many great new used options and get the best deals for bright horizons the monochrome world of emma peel by richard cogzell english at the best online prices at ebay

bright horizons the monochrome world of emma peel buy - Jan 01 2023

web buy bright horizons the monochrome world of emma peel online on amazon eg at best prices fast and free shipping free returns cash on delivery available on eligible purchase

bright horizons the monochrome world of emma peel - May 25 2022

web bright horizons the monochrome world of emma peel burch darren cogzell richard marshall rodney the monochrome world of emma peel createspace 2014 03 12 314 ppp h229 x w152 isbn 9781497302495

amazon com customer reviews bright horizons the monochrome world - Sep 28 2022

web find helpful customer reviews and review ratings for bright horizons the monochrome world of emma peel the avengers on film at amazon com read honest and unbiased product reviews from our users

bright horizons the monochrome world of emma peel volume - Aug 08 2023

web buy bright horizons the monochrome world of emma peel volume 1 the avengers on film by marshall rodney marshall rodney cogzell richard burch darren ginez bernard chauvet denis denham sam gordon margaret j ferguson j z marshall roger isbn 9781497302495 from amazon s book store

bright horizons emery anne 1907 free download borrow - Feb 19 2022

web bright horizons by emery anne 1907 publication date 1947 publisher new york g p putnam s sons collection inlibrary printdisabled internetarchivebooks china digitizing sponsor internet archive contributor internet archive language english v 218 p incl front 20 cm access restricted item true addeddate 2010 11 02 18 09 20