

PAPER – I		
TIME: 2 ½ HRS.	PARTS A&B	MAX. MARKS: 50
TIME: 2 HRS.	PART – A	MARKS: 35

SECTION – I

5 × 2 = 10

Note: 1. Answer any FIVE questions, choosing atleast TWO from each of the following groups A & B.

2. Each question carries 2 Marks.

GROUP – A

(Statements and Sets, Functions, Polynomials)

1. Show that the statement $P \vee (\neg p) \Rightarrow p$ is a tautology.

2. Show that $A \cap B' = A - B$.

3. If $f(x) = \frac{1-x}{x+1}$ ($x \neq 1$) then find the value of $f(x) + f\left(\frac{1}{x}\right)$.

4. Find the value of k , if the polynomial $x^3 - 3x^2 + 4x + k$ is exactly divisible by $x - 2$.

GROUP – B

(Linear Programming, Real Numbers, Progressions)

5. The vertices of convex polygon OABC are O (0, 0), A (3, 0), B (2, 3), C (0, 5). Find the maximum value of the objective function $f = 2x + 3y$.

6. If $a^2 = b$, $b^2 = c$, $c^2 = a$. Show that $abc = 1$.

7. Evaluate $\lim_{x \rightarrow 0} \frac{1}{x} \left(\frac{x^2 + 2x}{2x^2 + 3x} \right)$.

8. Determine the 25th term of an A.P. whose 5th term is -6 and the common difference is $\frac{5}{4}$.

SECTION – II

4 × 1 = 4

Note: 1. Answer any FOUR of the following SIX questions.

2. Each question carries 1 Mark.

3. Write the implication of the statements

(i) 2 is a prime number, (ii) 2 is an even number.

10. If $f = \{ (1, 3), (2, 5), (3, 7) \}$

$g = \{ (3, 7), (5, 9), (7, 10) \}$ Find $g \circ f$.

11. Write the nature of the roots of the quadratic equation $x^2 - 4x + 5 = 0$.

12. Define 'iso-profit line'.

13. Simplify $(x^m)^n$, $(x^m)^{n^2}$, $(x^m)^{n^3}$.

14. Find the middle term in the expansion of $\left(3x - \frac{1}{2x}\right)^{10}$.

SECTION – III

4 × 4 = 16

Note: 1. Answer any FOUR questions, choosing atleast TWO from each of the following groups i.e., Group A & B.

2. Each question carries 4 Marks.

GROUP – A

(Statements and Sets, Functions, Polynomials)

15. Prove that $A - (B \cap C) = (A - B) \cup (A - C)$ for any three sets A, B and C.

16. If $f(x) = x+2$, $g(x) = 2x+3$, $h(x) = 3x+4$, $f \circ g \circ h$

Find (i) $f \circ g \circ h$ (ii) $h \circ g \circ f$

17. Let the function $f: R \rightarrow R$ be defined by $f(x) = 3x-5$ find a formula that defines the inverse function f^{-1} .

18. The expression $(ax^2 + bx + c)$ equals -2 when $x = 0$, leaves a remainder 3 when divided by $(x-1)$ and the remainder -3 when divided by $(x+1)$ then find the value of a, b and c.

GROUP – B

(Linear Programming, Real number, Progressions)

19. A sweet shop makes gift packets of sweets combining two special types of sweets A and B which weigh 7 Kg. Atleast 30Kg of A and no more than 5 Kg of B should be used. The shop makes a profit of Rs.15 on A and Rs.20 on B per Kg. Determine the product mix so as to obtain maximum profit. (Write only objective function and the system of inequation without graph).

20. If $a^2 = b^2 = c^2$ and $\frac{a}{b} = \frac{c}{b}$ then show that $\frac{a}{b} = 2 = \frac{c}{b} = x$

21. Find the sum to n terms of the series $7 + 77 + 777 + \dots$

22. If $(0,1)$, $(0,2)$, $(3,5)$ are in H.P. then show that

$$\frac{1}{a^2} + \frac{1}{b^2} + \frac{1}{c^2} \text{ are also in H.P.}$$

SECTION – IV

(Linear programming, Quadratic equations and Inequations)

Note: 1. Answer any ONE question from the following

2. The question carries 5 Marks.

1 × 5 = 5

23. Maximize $f = 3x + y$ subject to the constraints

$$5x + 3y \leq 40, -4x + 3y \geq 32, x \geq 0, y \geq 0$$

24. Draw the graph of $y = x^2 - 5x + 8$ to find the roots of $x^2 - 5x + 8 = 0$.

TIME: 30 MINUTES.	PART – B	MARKS: 15
-------------------	----------	-----------

Note: 1. Each question carries ½ Mark.

2. Answers are to be written in the question paper only.

3. All questions are to be answered.

4. Marks will not be given for over-written, re-written or erased answers.

1. MULTIPLE CHOICE QUESTIONS.

10 × ½ = 5

1. The existential quantifier is denoted by the symbol

(A) $\in$ (B) $\subset$ (C) $\exists$ (D) $\forall$ []

2. If $n(A \cup B) = n(A) + n(B)$ then A and B are _____ sets.

(A) Equal (B) Equivalent (C) Finite (D) Disjoint []

3. If $f = \{(x, 2) | x \in R\}$ then f is a

(A) One-one function (B) Constant function []

(C) Onto function (D) identity function []

4. If $f(x) = a_0 x^2 + a_1 x^{n-1} + a_2 x^{n-2} + \dots + a_n$ and $a_0 = a_1 = a_2 = \dots = a_n = 0$ then the factor of $f(x)$ is

(A) $(x+1)$ (B) $(x-1)$ []

(C) $(x+1)$ and $(x-1)$ (D) None []

5. If $x^2 - 4x + 3 < 0$ then the value of x lies in between.

(A) 1 and 2 (B) 1 and 3 []

(C) 1 and 4 (D) 4 and 3 []

6. The solution set of a linear programming is

(A) Feasible solution (B) Feasible region []

(C) Iso-profit line (D) Objective function []

7. $\frac{2}{1000} =$

(A) 0.2 (B) 0.02 (C) 0.002 (D) 2 []

8. $\frac{1}{x-1} = \frac{2}{3x+5}$

(A) $\frac{2}{3}$ (B) $\frac{2}{5}$ (C) $\frac{3}{5}$ (D) $\frac{3}{3}$ []

9. The 7th term of the progression 8, 16, 32, 64, ... is

(A) 2^{-1} (B) 2^{-2} (C) 2^{-3} (D) 2^{-4} []

10. If a, b, c are in G.P. then

(A) $a^2 = bc$ (B) $b^2 = ac$ (C) $c^2 = ab$ (D) $abc = 1$ []

II. FILL IN THE BLANKS WITH SUITABLE ANSWERS.

10 × ½ = 5

11. The counter example for 'All prime numbers are odd' is _____.

12. If $n(A \cap B) = 2$, $n(A) = 4$ and $n(B) = 3$ then $n(A \cup B) =$ _____.

13. If the range of a function is equal to its co-domain then f is a _____.

14. The zero of the function $f(x) = 2x - 3$ is _____.

15. The quadratic equation whose roots are $(2 + \sqrt{3})$ and $(2 - \sqrt{3})$ is _____.

16. The solution set of $x \geq y$, $x \leq y$ is _____.

17. $\frac{a + b + 2\sqrt{ab}}{\sqrt{a} + \sqrt{b}} =$ _____.

18. $2^m = 4^{n+1}$ then the value of x is _____.

19. If a, b, c are in A.P. then $\frac{1}{a}$, $\frac{1}{b}$, $\frac{1}{c}$ are in _____.

20. In an A.P. if 5 times the 5th term is equal to 7 times the 7th term then _____ term is zero.

III. For the following questions under GROUP – A, Choose the correct answer from GROUP – B and write the letter of the correct answer in the brackets provided against each question

10 × ½ = 5

(i) GROUP – A

21. $A \cup A = A$

22. $\neg(p \Rightarrow q)$

23. $A \rightarrow B$

$$f(x) = f(x_0) \Rightarrow x_1 = x_2$$

24. $n(A) = 3$, $n(B) = 5$, $n(A \cap B) =$

25. Number of terms in the expansion of

$$\left(2x^2 - \frac{4}{x^2}\right)^{15}$$

(ii) GROUP – A

26. $x > 0$, $y < 0$ then

(x, y) lies in the quadrant

27. $x = -8$ then $|x-1| =$

28. $x^{1/2}$, $x^{1/3}$, $x^{1/6}$

29. $2 \pi^2$

30. The 9th term of the progression -1, -2, -3, ... is

GROUP – B

(A) $\neg p \Rightarrow q$

(B) De Morgan's Law

(C) $p \wedge \neg q$

(D) Idempotent Law.

(E) 18

(F) Constant function

(G) 16

(H) One-one function

GROUP – B

(i) -9

(ii) x

$$(B) \frac{n(n+1)}{2}$$

(C) O_1

$$(M) \frac{n^2 (n+1)^2}{4}$$

(B) O_1

(C) 9

(F) 0 (Zero).

Maths Question Paper For Ssc 2013

F Rizvi



Maths Question Paper For Ssc 2013:

Embark on a breathtaking journey through nature and adventure with Explore with is mesmerizing ebook, Witness the Wonders in **Maths Question Paper For Ssc 2013** . This immersive experience, available for download in a PDF format (Download in PDF: *), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

<https://staging.conocer.cide.edu/data/browse/fetch.php/happiness%20is%20just%20around%20the%20corner.pdf>

Table of Contents Maths Question Paper For Ssc 2013

1. Understanding the eBook Maths Question Paper For Ssc 2013
 - The Rise of Digital Reading Maths Question Paper For Ssc 2013
 - Advantages of eBooks Over Traditional Books
2. Identifying Maths Question Paper For Ssc 2013
 - 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 Maths Question Paper For Ssc 2013
 - User-Friendly Interface
4. Exploring eBook Recommendations from Maths Question Paper For Ssc 2013
 - Personalized Recommendations
 - Maths Question Paper For Ssc 2013 User Reviews and Ratings
 - Maths Question Paper For Ssc 2013 and Bestseller Lists
5. Accessing Maths Question Paper For Ssc 2013 Free and Paid eBooks
 - Maths Question Paper For Ssc 2013 Public Domain eBooks
 - Maths Question Paper For Ssc 2013 eBook Subscription Services
 - Maths Question Paper For Ssc 2013 Budget-Friendly Options

6. Navigating Maths Question Paper For Ssc 2013 eBook Formats
 - ePub, PDF, MOBI, and More
 - Maths Question Paper For Ssc 2013 Compatibility with Devices
 - Maths Question Paper For Ssc 2013 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Maths Question Paper For Ssc 2013
 - Highlighting and Note-Taking Maths Question Paper For Ssc 2013
 - Interactive Elements Maths Question Paper For Ssc 2013
8. Staying Engaged with Maths Question Paper For Ssc 2013
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths Question Paper For Ssc 2013
9. Balancing eBooks and Physical Books Maths Question Paper For Ssc 2013
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Maths Question Paper For Ssc 2013
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Maths Question Paper For Ssc 2013
 - Setting Reading Goals Maths Question Paper For Ssc 2013
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Maths Question Paper For Ssc 2013
 - Fact-Checking eBook Content of Maths Question Paper For Ssc 2013
 - 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

Maths Question Paper For Ssc 2013 Introduction

Maths Question Paper For Ssc 2013 Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Maths Question Paper For Ssc 2013 Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Maths Question Paper For Ssc 2013 : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Maths Question Paper For Ssc 2013 : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Maths Question Paper For Ssc 2013 Offers a diverse range of free eBooks across various genres. Maths Question Paper For Ssc 2013 Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Maths Question Paper For Ssc 2013 Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Maths Question Paper For Ssc 2013, especially related to Maths Question Paper For Ssc 2013, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Maths Question Paper For Ssc 2013, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Maths Question Paper For Ssc 2013 books or magazines might include. Look for these in online stores or libraries. Remember that while Maths Question Paper For Ssc 2013, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Maths Question Paper For Ssc 2013 eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Maths Question Paper For Ssc 2013 full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Maths Question Paper For Ssc 2013 eBooks, including some popular titles.

FAQs About Maths Question Paper For Ssc 2013 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 credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased 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 the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Maths Question Paper For Ssc 2013 is one of the best book in our library for free trial. We provide copy of Maths Question Paper For Ssc 2013 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Maths Question Paper For Ssc 2013. Where to download Maths Question Paper For Ssc 2013 online for free? Are you looking for Maths Question Paper For Ssc 2013 PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Maths Question Paper For Ssc 2013. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Maths Question Paper For Ssc 2013 are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Maths Question Paper For Ssc 2013. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Maths Question Paper For Ssc 2013 To get started finding Maths Question Paper For Ssc 2013, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Maths

Question Paper For Ssc 2013 So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Maths Question Paper For Ssc 2013. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Maths Question Paper For Ssc 2013, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Maths Question Paper For Ssc 2013 is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Maths Question Paper For Ssc 2013 is universally compatible with any devices to read.

Find Maths Question Paper For Ssc 2013 :

[happiness is just around the corner](#)

happy endings finishing the edges of your quilt

happy as a sand-boy early railway posters

hardens london baby

[hants and dorsets ghosts](#)

[hans weigand sat](#)

harcourt language arts gr 3 reteaching activities copy masters

hardens bars and pubs

[harcourt science grade 1 vol. 2 earth science - teachers edition](#)

[harlans race](#)

hardy boys and nancy drew meet dracula

happy silly birthday to me

[harcourt math teacher edition volume 1 examination copy](#)

hannes meyer

happy to you a year of birthdays anniversaries and special days

Maths Question Paper For Ssc 2013 :

Automotive Technology: A Systems Approach Chapter 4 Study with Quizlet and memorize flashcards containing terms like bolt head, bolt diameter, bolt shank and more. chapter 4 Automotive quiz Flashcards Study with Quizlet and memorize

flashcards containing terms like Electricity hydraulics compressed air, 1/4, Flat black and more. [Q&A - Chapter 20-21] AUTOMOTIVE TECHNOLOGY ... Download [Q&A - Chapter 20-21] AUTOMOTIVE TECHNOLOGY: PRINCIPLES, DIAGNOSIS AND SERVICE and more Automobile Engineering Quizzes in PDF only on Docsity! Answers to Quizzes, Tests, and Final Exam | McGraw-Hill ... Cite this chapter. Stan Gibilisco. Teach Yourself Electricity and Electronics, 5th Edition. Answers to Quizzes, Tests, and Final Exam, Chapter (McGraw-Hill ... Auto Tech Chapter 27 Auto Tech Chapter 27 quiz for 11th grade students. Find other quizzes for Professional Development and more on Quizizz for free! Unauthorized Access Our goal is to provide access to the most current and accurate resources available. If you find any resources that are missing or outdated, please use the ... Automotive Technology: Principles, Diagnosis, and Service ... Automotive Technology: Principles, Diagnosis, and Service, Fourth Edition, meets the needs for a comprehensive book that... SJ1.pdf ... chapter 4 Motion in two Dimensions. Earth. (a) What must the muzzle speed of ... Quiz 6.1 You are riding on a Ferris wheel that is rotating with constant. Chapter 7: Technology Integration, Technology in Schools ... Chapter 7: Technology Integration, Technology in Schools: Suggestions, Tools, and Guidelines for Assessing Technology in Elementary and Secondary Education. Flash cards, study groups and presentation layouts Answer questions on the clock to earn points and put your knowledge to the test. Just like the real thing, but more fun! Chapter 12 Solutions | Study Guide, Volume 1 For Warren/ ... Access Study Guide, Volume 1 for Warren/Reeve/Duchac's Financial Managerial Accounting, 12th and Corporate Financial Accounting, 12th 12th Edition Chapter ... Financial Accounting 12th Edition Textbook Solutions Textbook solutions for Financial Accounting 12th Edition Carl S. Warren and others in this series. View step-by-step homework solutions for your homework. Financial accounting warren reeve duchac 12e solutions Oct 11, 2023 — It will extremely ease you to see guide financial accounting warren reeve duchac 12e solutions as you such as. By searching the title ... Study Guide, Volume 1 For Warren/reeve/duchac's ... Access Study Guide, Volume 1 for Warren/Reeve/Duchac's Financial Managerial Accounting, 12th and Corporate Financial Accounting, 12th 12th Edition Chapter 1 ... financial accounting warren reeve duchac 12e solutions ... Mar 10, 2023 — Thank you very much for reading financial accounting warren reeve duchac 12e solutions. As you may know, people. Corporate Financial Accounting - 12th Edition - Solutions ... Find step-by-step solutions and answers to Corporate Financial Accounting - 9781285677811, as well as thousands of textbooks so you can move forward with ... Test Bank for Financial Accounting 12th Edition Warren ... View Test prep - Test Bank for Financial Accounting 12th Edition Warren, Reeve, Duchac from ACCT ACCT-300 at Texas Southern University. download full file ... 2023-09-24 1/2 financial accounting warren reeve duchac ... Sep 24, 2023 — Thank you for reading financial accounting warren reeve duchac 12e solutions. Maybe you have knowledge that, people have look hundreds times ... Solution Manual for Corporate Financial Accounting 12th Solution Manual for Corporate Financial Accounting 12th. Edition by Warren ISBN 1133952410 9781133952411. Full link download: Solution Manual:. Solutions manual chapters 1-17 : Accounting 24e ... Solutions manual chapters 1-17 : Accounting 24e, Financial

Accounting 12e, or Accounting using Excel for success 2e. Show more ; Genre: Problems and exercises. Phuket Beach Hotel Case Analysis Corporate Finance ... Phuket Beach hotel case ; Mutually Exclusive Capital Projects ; opportunity cost of the projects. Therefore, the discount rate should be weighted average cost ; of ... Solved Phuket Beach Hotel Analysis How do I calculate the May 17, 2015 — Question: Phuket Beach Hotel Analysis How do I calculate the decrease in net room revenue? I know the answers are YR 1=1.65 million, ... Phuket Beach Hotel Final | PDF | Net Present Value Phuket Beach Resort Case AnalysisGraduate School of BusinessDe La Salle University. 11.Staff for the karaoke pub could be recruited internally because the hotel ... Case Study Phuket Beach Hotel 2 - HKU 08/15 was looking for a venue in Patong beach area for setting up another outlet, and was eyeing an. unused space owned by the Hotel. At this point, the space was ... Phuket Beach Hotel Valuing Mutually Exclusive Capital ... Following questions are answered in this case study solution: Please assess the economic benefits and costs associated with each of the capital projects. What ... Phuket Beach Case - 1683 Words PHUKET BEACH HOTEL: VALUING MUTUALLY EXCLUSIVE PROJECTS I. STATEMENT OF THE PROBLEM This is an assessment of the different costs and benefits of two ... Phuket Beach Hotel Phuket Beach Hotel: Valuing Mutually Exclusive Capital Projects (Case 27-3) The unused space of the Phuket Beach Hotel w... Phuket Beach Hotel: Valuing Mutually Exclusive Capital ... Case Analysis, Phuket Beach Hotel: Valuing Mutually Exclusive Capital Projects Case Study Solution, 1. Calculate and rank the projects according to payback ... Phuket Beach Hotel: Valuing Mutually Exclusive Capital ... The case presents sufficient information to build-cash flow forecasts for each project and to rank the mutually exclusive projects using various evaluation ... Phuket Beach Hotel Case Study.docx Phuket Beach Hotel Case Study Finance 380 Naomi Smith Summary Phuket Beach Hotel is faced with the decision of funding an in-house bar with a projected ...