

## MATHEMATICS N2 CLASS EXERCISE 1

### QUESTION 1

- 1.1 Solve the following equations:
- 1.1.1  $-x^2 + 3x - 2 = 0$  by factorisation (3)
- 1.1.2  $6(2 - m) - 5(4 - m) = 7$  (3)
- 1.2 Given: the formula  $p = \sqrt[3]{r^2 - q^2}$
- 1.2.1 Make '  $r$  ' the subject of the formula (3)
- 1.2.2 Calculate the value of '  $r$  ' if  $p = 4$  and  $q = 6$  (1)
- 1.3 Solve for '  $x$  ' and '  $y$  ' in the following simultaneous equations:
- $5x = 6y + 3$  and  $3y - 4x + 1 = 0$  (4)
- [14]

### QUESTION 2

- 2.1 A man deducted 3 from 5 times his age and got his grandmother's age.  
If his grandmother is 97 years old, how old is the man? (2)
- 2.2 Given:  $4x^2 - 15x - 47 = 0$   
Solve for '  $x$  ' the equation using the quadratic formula. (3)
- 2.3 Given:  $H = \frac{7,5U}{273 + V}$
- 2.3.1 Make '  $V$  ' the subject of the formula. (3)
- 2.3.2 Find the value of '  $V$  ' if  $U = 0,5$  and  $H = 0,005$  (1)
- 2.4 Given:  $8p - 1 = -2q$  and  $2p + 3q = 4$   
Solve for '  $p$  ' and '  $q$  ' (4)
- [13]

**TOTAL: 27 MARKS**

# N2 Maths Engineering Question Papers

**JE Gale**



## **N2 Maths Engineering Question Papers:**

**Engineering Mathematics Volume - II (Mathematical Methods) (For 1st Year, 1st Semester of JNTU, Kakinada)** Iyenger T.K.V./ Gandhi, Krishna B./ Ranganatham S. & Prasad M.V.S.S.N., Engineering Mathematic

*Engineering Mathematics-III: ( Subject Code: 3EX1, 3EC1, 3EE6.1) For RTU ,      Engineering Mathematics Vol -III ( Tamil Nadu)* K Gunavathi, 2008 The existing Third Volume of our series of textbooks on Engineering Mathematics for students of B E B Tech B Sc Applied Science has been now split into two volumes to caters to the needs of the syllabus semester wise This volume caters to the syllabus of fourth semester Many worked examples are added in each chapter and a large number of problems are included in the Exercises      *Telangana EAMCET Chapterwise Solutions 2020-2018* *Mathematics for 2021 Exam* Arihant Experts, 2021-03-25 1 EAMCET Chapterwise Solutions 2020 2018 Mathematics 2 The book divided into 29 Chapters 3 Each chapter is provided with the sufficient number of previous question 4 3 Practice Sets given to know the preparation levels The Telangana State Council of Higher Education has announced the admissions in Andhra Pradesh Engineering Agricultural and Medical Common Entrance Test Telangana EAMCET Students are required proper preparation and practice of the syllabus in order to get admissions in the best colleges of the state In order to ease the preparation of the exam Arihant introduces the new edition Telangana EAMCET Chapterwise Solutions 2020 2018 Mathematics this book is designed to provide the suitable study and practice material aid as per the exam pattern The entire syllabus has been divided into 29 chapters of the subject Each chapter is provided with the sufficient number of previous question from 2018 to 2020 Lastly there are 3 Practice Sets 3 Free Online Practice Sets giving a finishing touch to the knowledge that has been acquired TOC Complex Numbers and De Moiver s Theorems Quadratic Equations Theory of Equations Functions Mathematical Inductions Partial Fractions Binomial Theorems Permutations and Combinations Matrices and Determinants Measures of Dispersions Probability Trigonometry Functions and Identities Trigonometry Equations Properties of Triangles Inverse Trigonometric Functions Hyperbolic Functions Rectangular Cartesian Coordinates Straight Line and Pair of Straight Lines Circle and System of Circles Conic Sections Vector Algebra Three Dimensional Geometry Limits and Continuity Differentiation Applications of Derivatives Indefinite Integral and Its Applications Differential Equations Miscellaneous Practice Sets 1 3      **EAMCET Mathematics Andhra and Telangana Chapterwise 28 Years' Solutions and 5 Mock Tests 2020** Arihant Experts, 2019-11-12 Engineering Agricultural Medical Common Entrance Test EAMCET is an entrance examination conducted by the Jawaharlal Nehru Technological University annually for getting admission in some of the engineering agricultural and medical colleges in the states of Andhra Pradesh and Telangana In order to ease the preparation of EAMCET this book provides suitable study practice material and a revisionary aid for Mathematics subject that gives the insight of the pattern of the exam It familiarizes with the structural formation of the paper by giving the complete coverage of Previous Years Questions in a Chapterwise format Solutions provided in a lucid

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