2022

Syllabus and Reference Material for DNExT Entrance Exam

FULL STACK DEVELOPER

Contents

1.General Mathematics

- Sets and relations.
- Trigonometry, algebra, matrices
- Sequences and series
- Linear equations
- Quadratic equations.

2.Quantitative Aptitude

- Sets and Venn Diagrams
- Ratio and Proportion
- Volume and Surface Area
- Square Root and Cube Root
- Time and Work

Reference Books:

BIBLE TO BASIC MATHEMATICS | BASIC MATHS | COMPETITIVE EXAM MATHS BOOK | MATHEMATICS BOOK

https://www.amazon.in/BIBLE-BASIC-MATHEMATICS-MATHS-COMPETITIVE/dp/8194681308/ref=asc_df_8194681308/?tag=googleshopdes-21&linkCode=df0&hvadid=397009002406&hvpos=&hvnetw=g&hvrand=2934237401216278 37&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9062093&hvta rgid=pla-1015594565730&psc=1&ext_vrnc=hi

Easy Maths For Competitive Exams

https://www.amazon.in/Maths-Competitive-Exams-Sandeep-Balakrishnan/dp/8194229936/ref=pd_sbs_sccl_3_10/257-3654871-6204211?pd_rd_w=Xalec&pf_rd_p=08bab754-9a7c-4fce-859b-66a5cf2b1a89&pf_rd_r=MR7G2PC9JMAPZH37XXEZ&pd_rd_r=087ac088-ba7a-4018-81ab-dd8826f6ae91&pd_rd_wg=FnUoc&pd_rd_i=8194229936&psc=1

3.Basic English Language Proficiency

- English Usage
- Listening Skills
- Speaking Skills
- Reading Skills
- Writing Skills

Reference Books:

Developing LSRW skills of the Marginalised via Emotionalising Shakespeare and Children's Fiction

https://www.amazon.in/Developing-Marginalised-Emotionalising-Shakespeare-Childrens/dp/8182536790/ref=sr_1_1?keywords=LSRW+SKILLS&qid=1652864993&s=books&sr=1-1

4.Computational Thinking

- Using abstractions and pattern recognition to represent the problem in new and different ways
- Logically organizing and analysing data
- Breaking the problem down into smaller parts
- Approaching the problem using programmatic thinking techniques such as iteration, symbolic representation, and logical operations
- Reformulating the problem into a series of ordered steps (algorithmic thinking)

5. Python Programming

- Variables, expressions, and statements
- Conditional Execution
- Functions
- Loops and Iterations
- Strings
- Files
- Lists
- Dictionaries
- Tuples
- Regular Expressions

Reference course

https://www.youtube.com/watch?v=8DvywoWv6fI