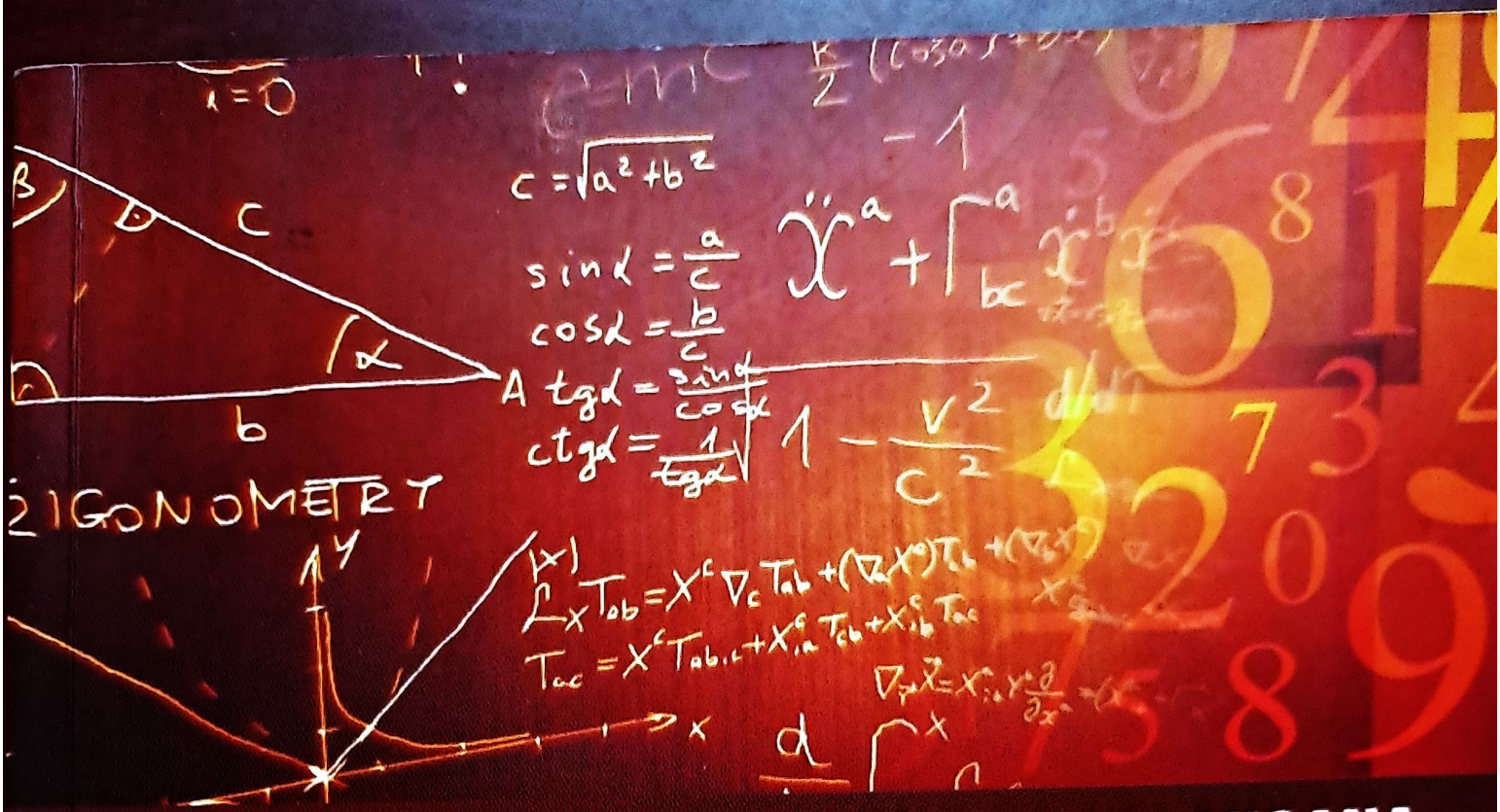

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A Textbook of B.Sc. Mathematics

(Semester V)

Linear Algebra

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B V S S SARMA
S AANJANEYA SASTRY
S RANGANATHAM
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ABOUT THE BOOK

This **"Textbook of B.Sc Mathematics"** for the students studying third year first semester in all universities of Telangana state was first published in the year 1988.

The revised syllabus is being adopted by all the universities in Telangana state, following Common Core model Curriculum from the academic year 2016 - 2017 based on CBCS (Choice Based Credit System). This book strictly covers the new curriculum for Semester V (3rd year, 1st semester). Solutions are provided for the questions of Practical Question Bank at appropriate chapters

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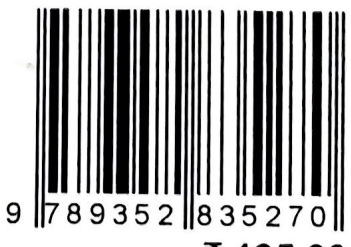

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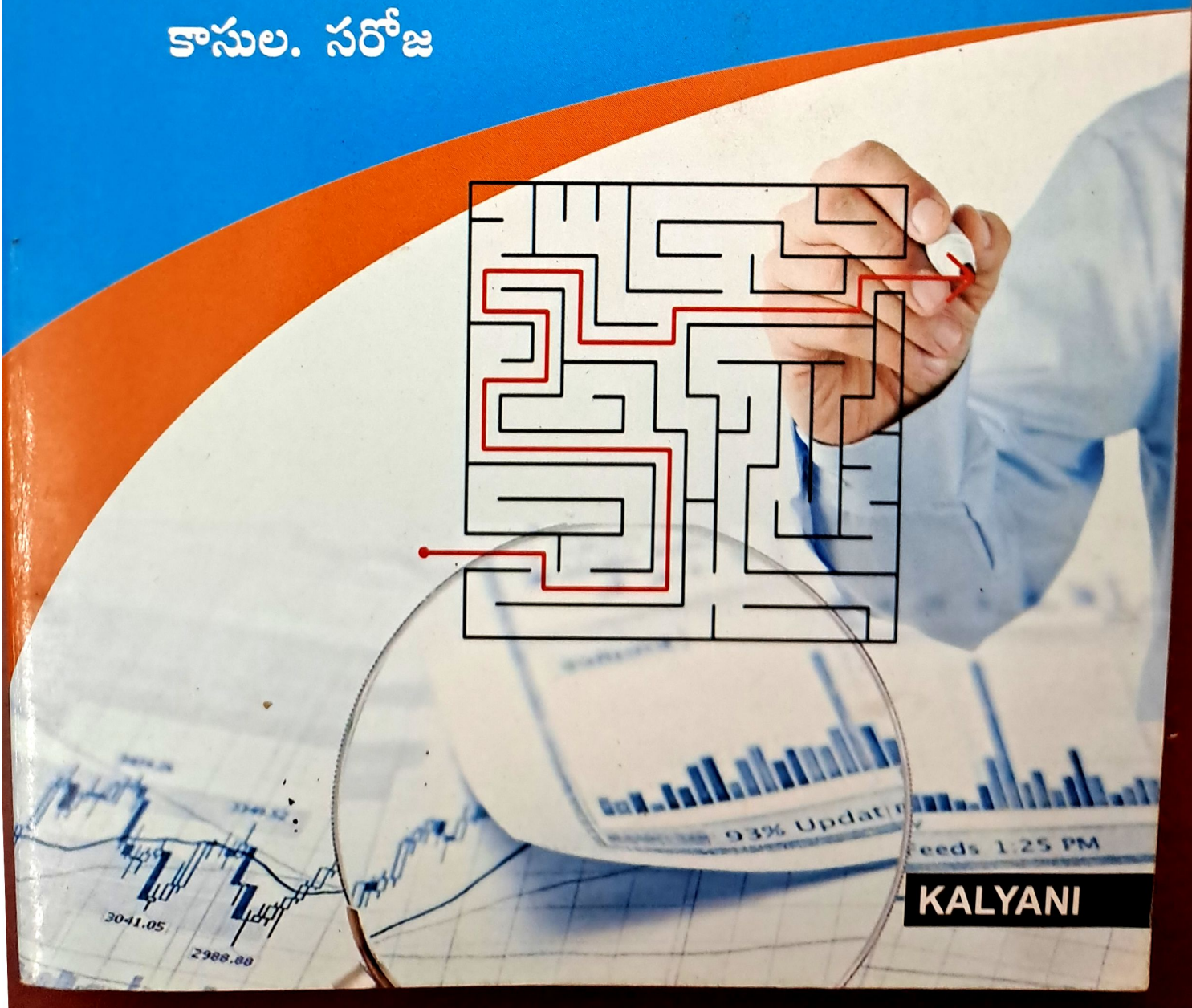

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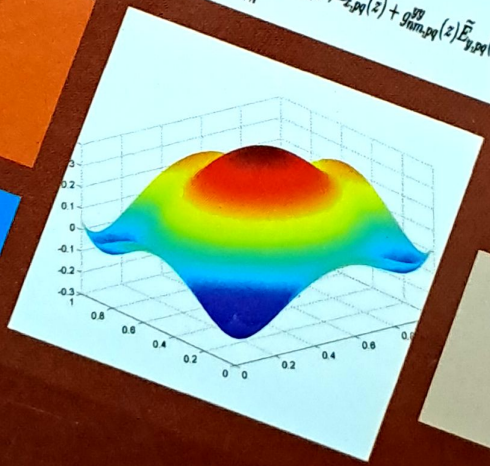
$$\frac{d\tilde{E}_{y,nm}(z)}{dz} = \sum_{pq} \left[r^{yx}_{nm,pq}(z)\tilde{H}_{x,pq}(z) + r^{yy}_{nm,pq}(z)\tilde{H}_{y,pq}(z) \right]$$

$$\frac{d\tilde{H}_{x,nm}(z)}{dz} = \sum_{pq} \left[g^{xx}_{nm,pq}(z)\tilde{E}_{x,pq}(z) + g^{xy}_{nm,pq}(z)\tilde{E}_{y,pq}(z) \right]$$

$$\frac{d\tilde{H}_{y,nm}(z)}{dz} = \sum_{pq} \left[g^{yx}_{nm,pq}(z)\tilde{E}_{x,pq}(z) + g^{yy}_{nm,pq}(z)\tilde{E}_{y,pq}(z) \right],$$



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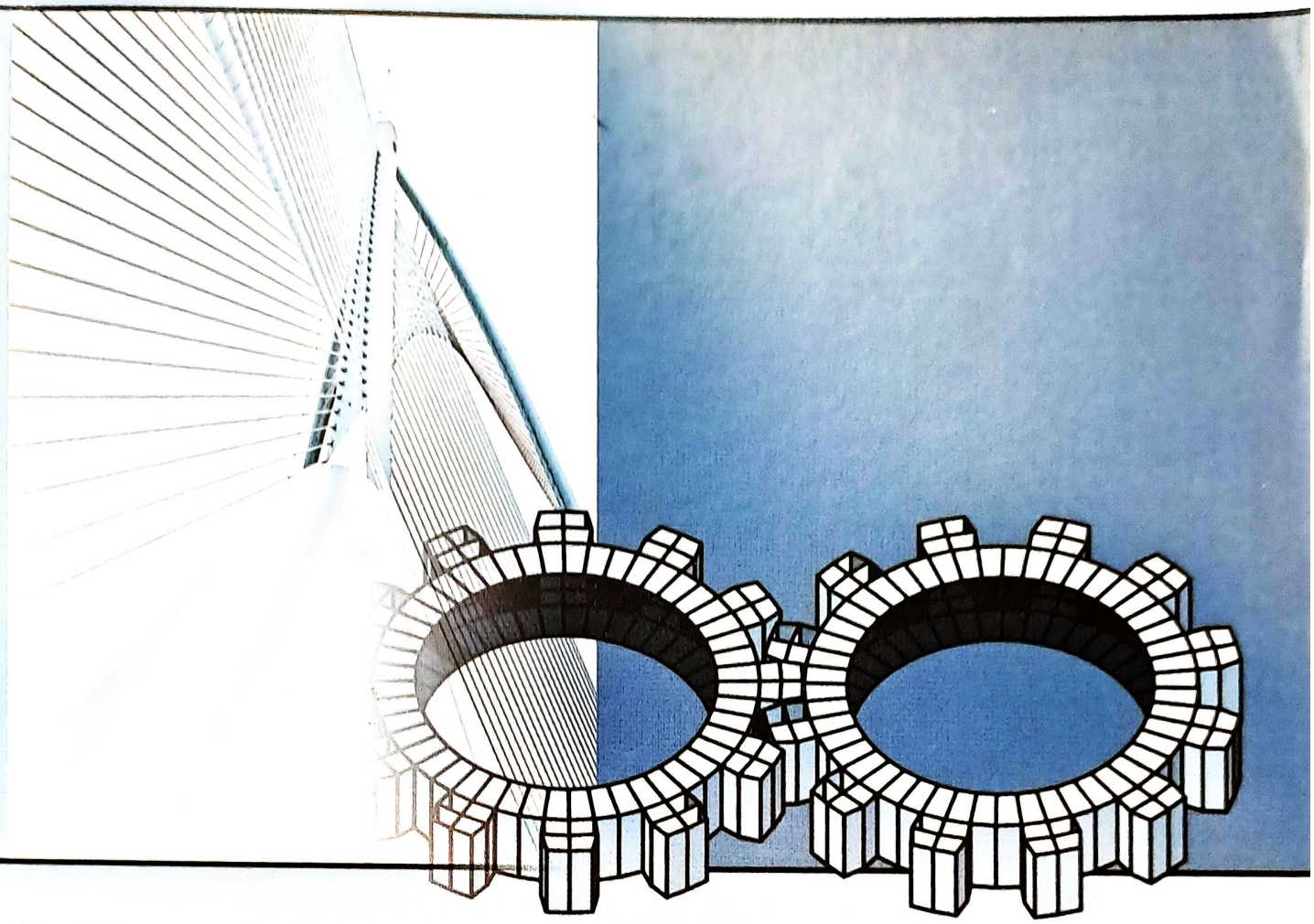

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N KRISHNA MURTHY
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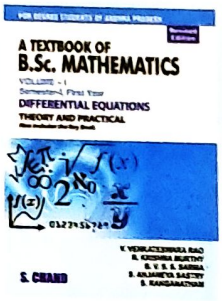

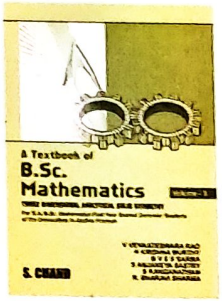

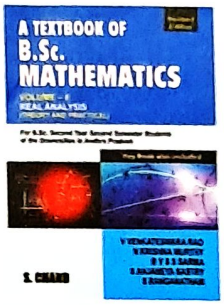

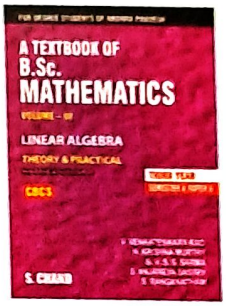

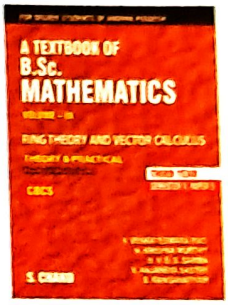

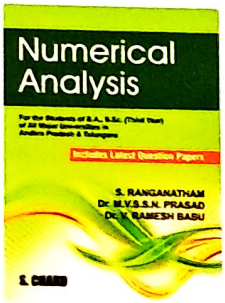

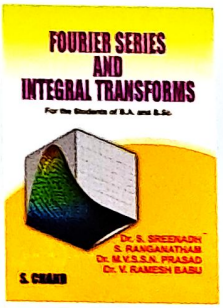

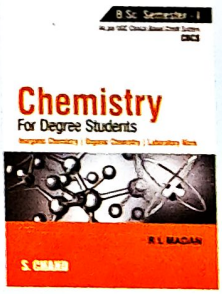

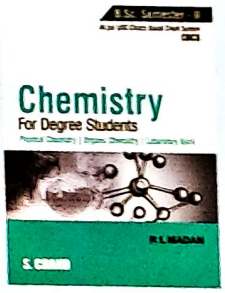

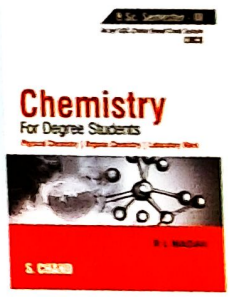

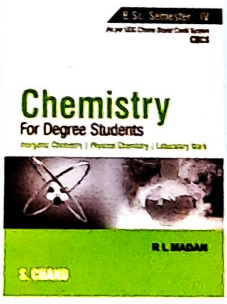

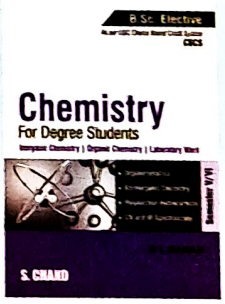

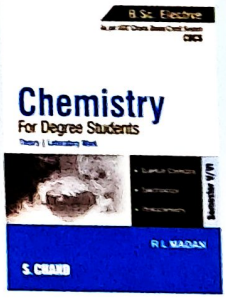

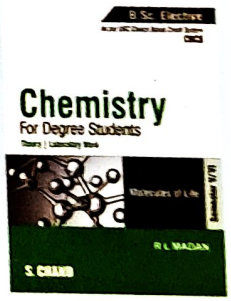

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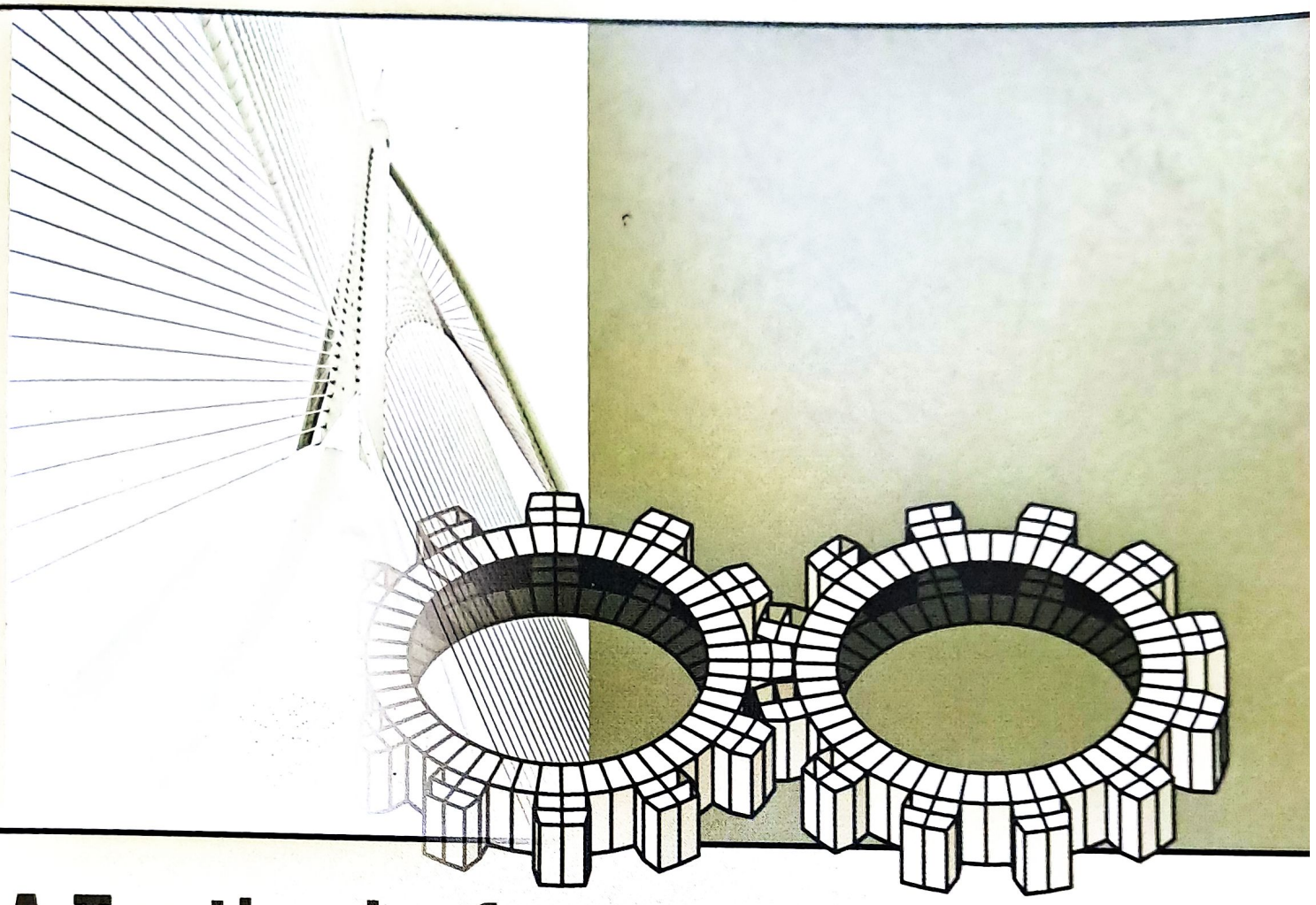

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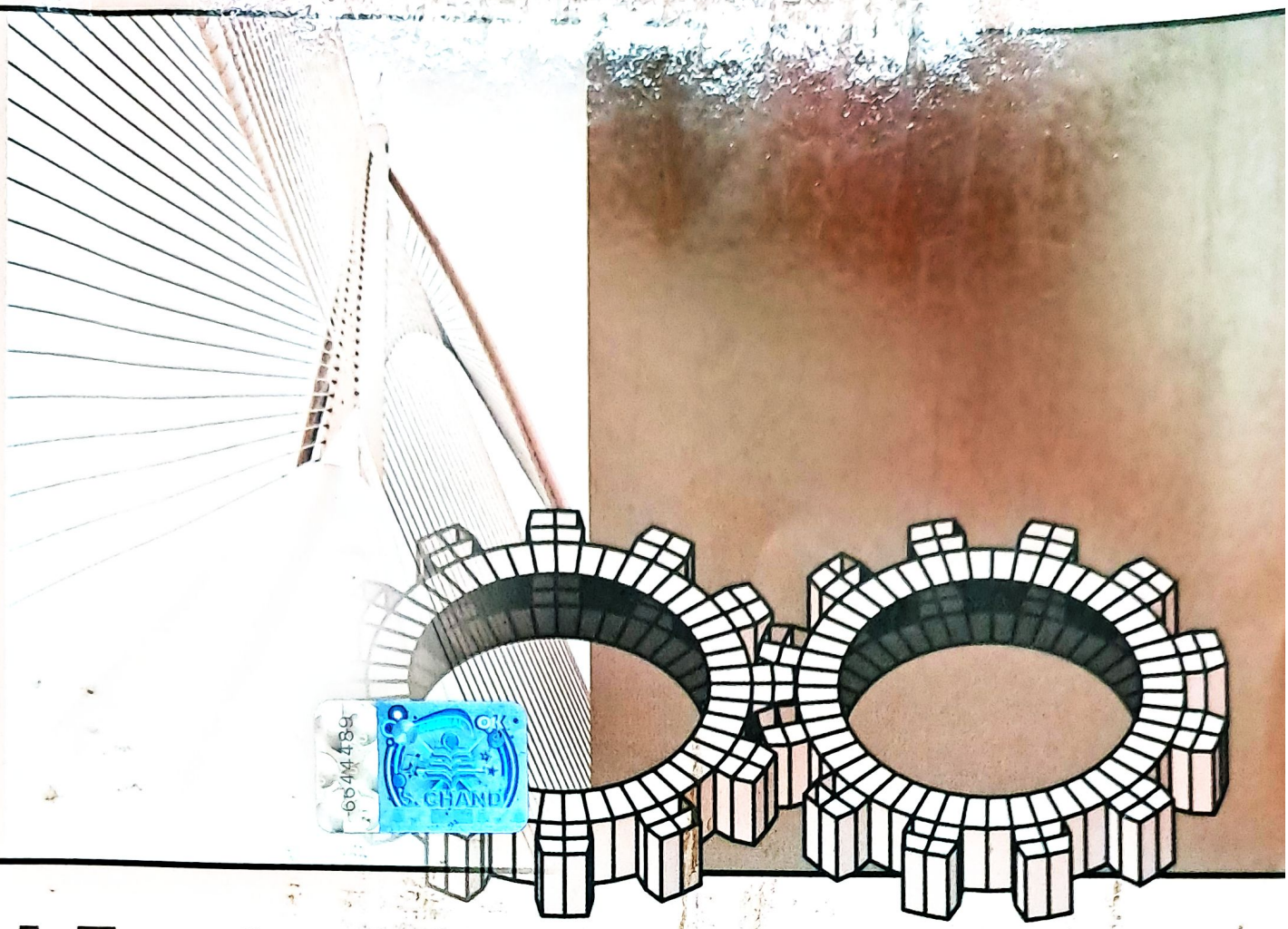

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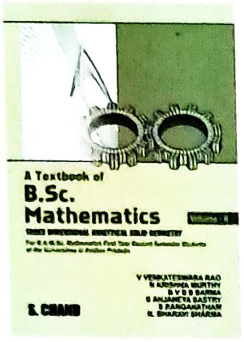

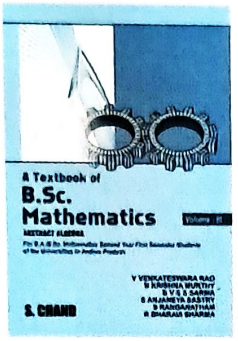

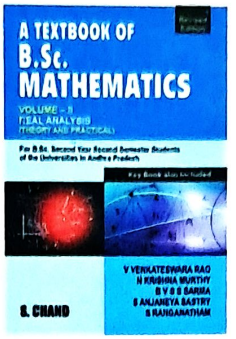

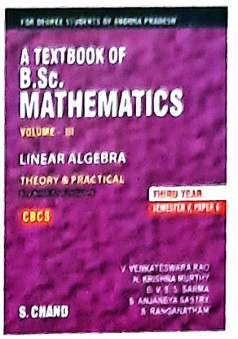

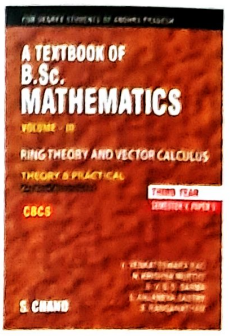

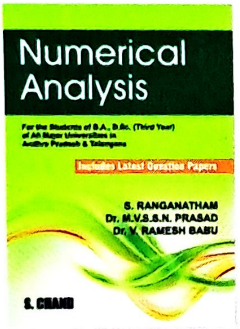

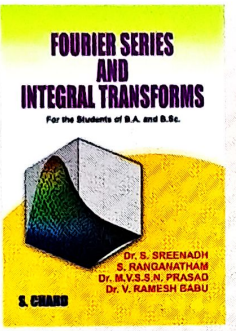

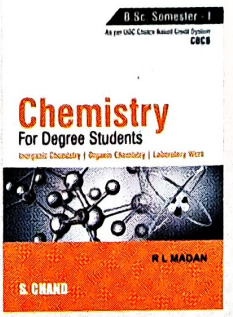

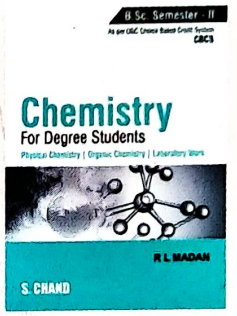

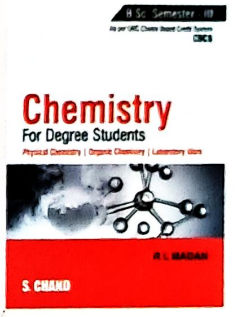

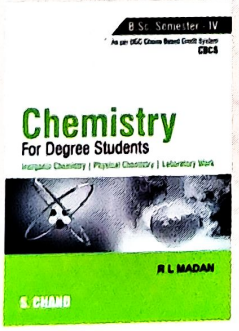

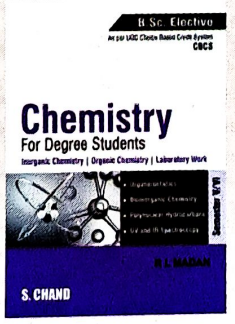

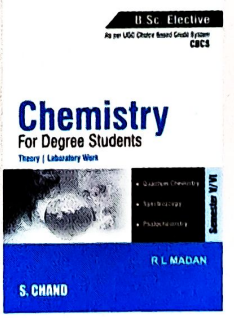

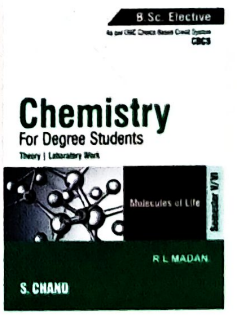

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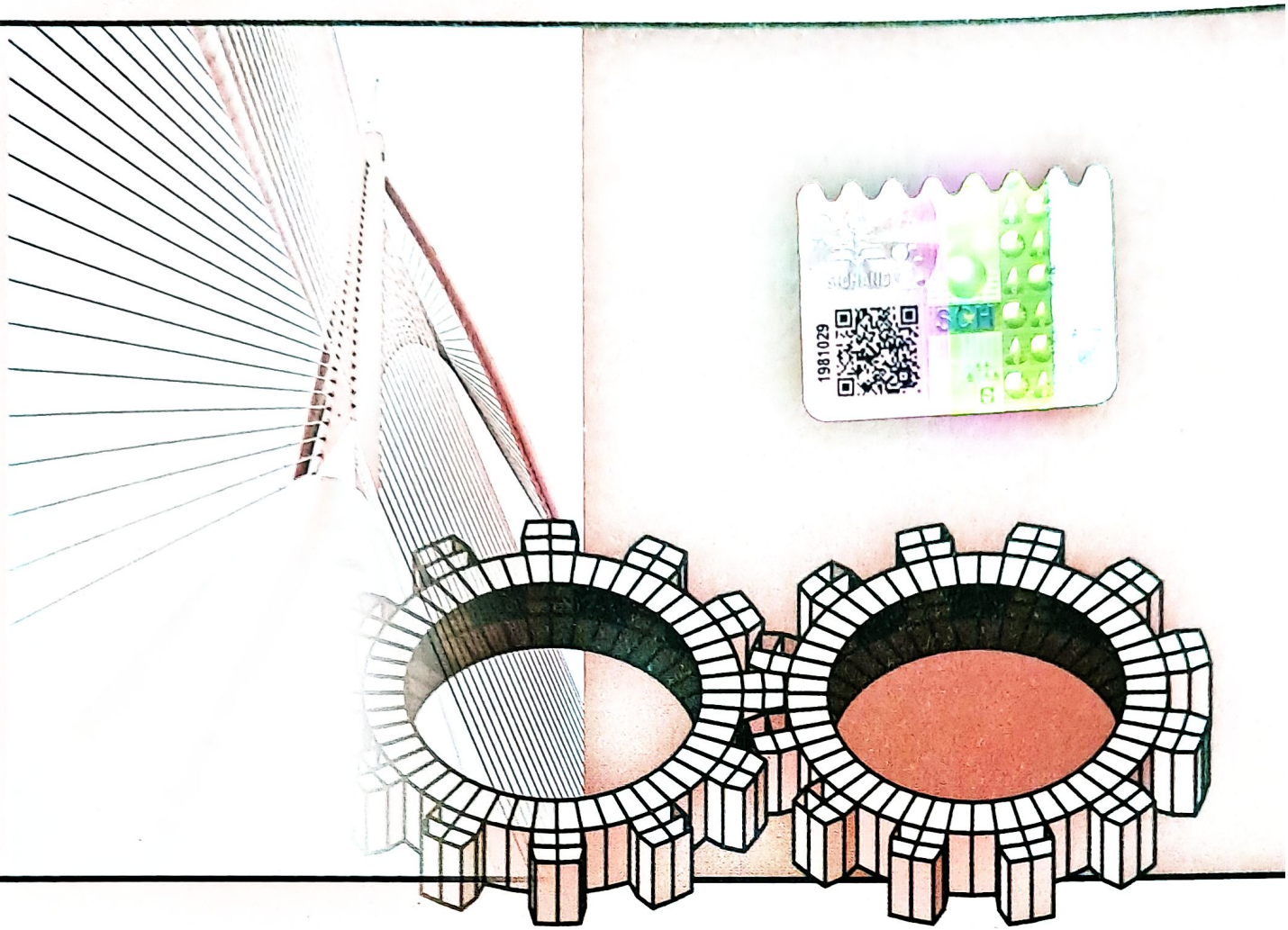

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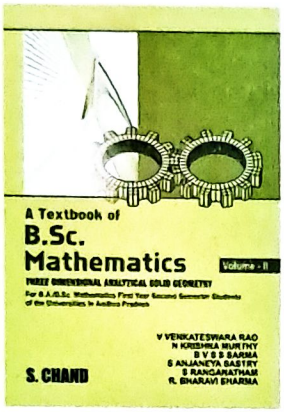

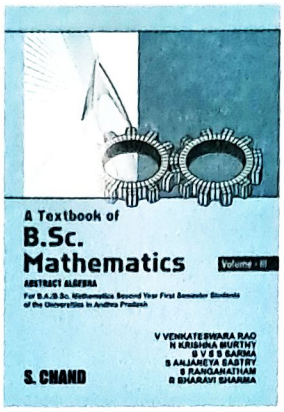

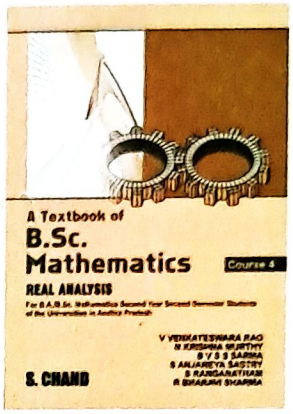

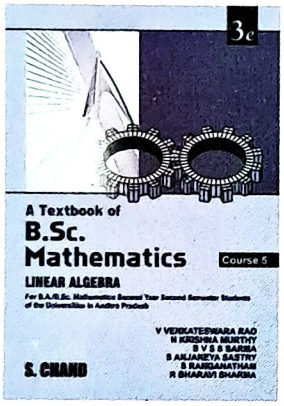

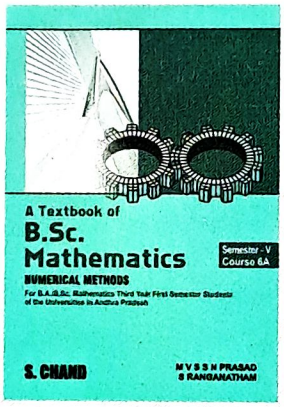

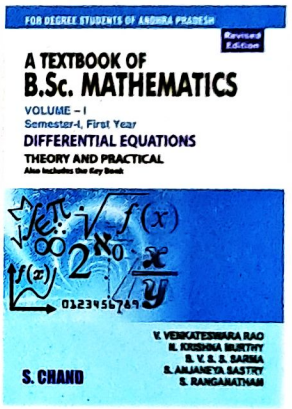

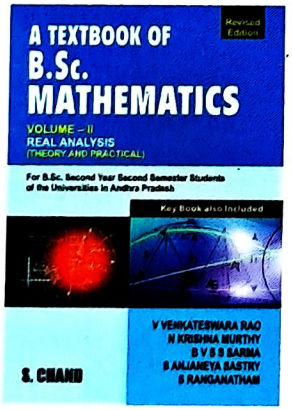

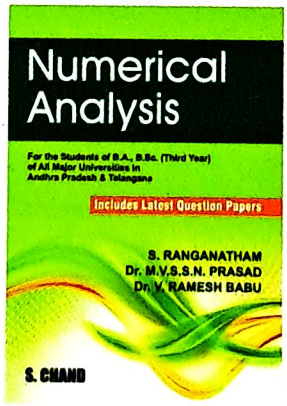

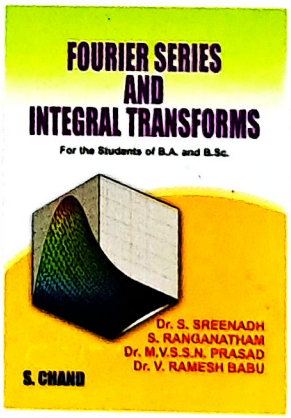

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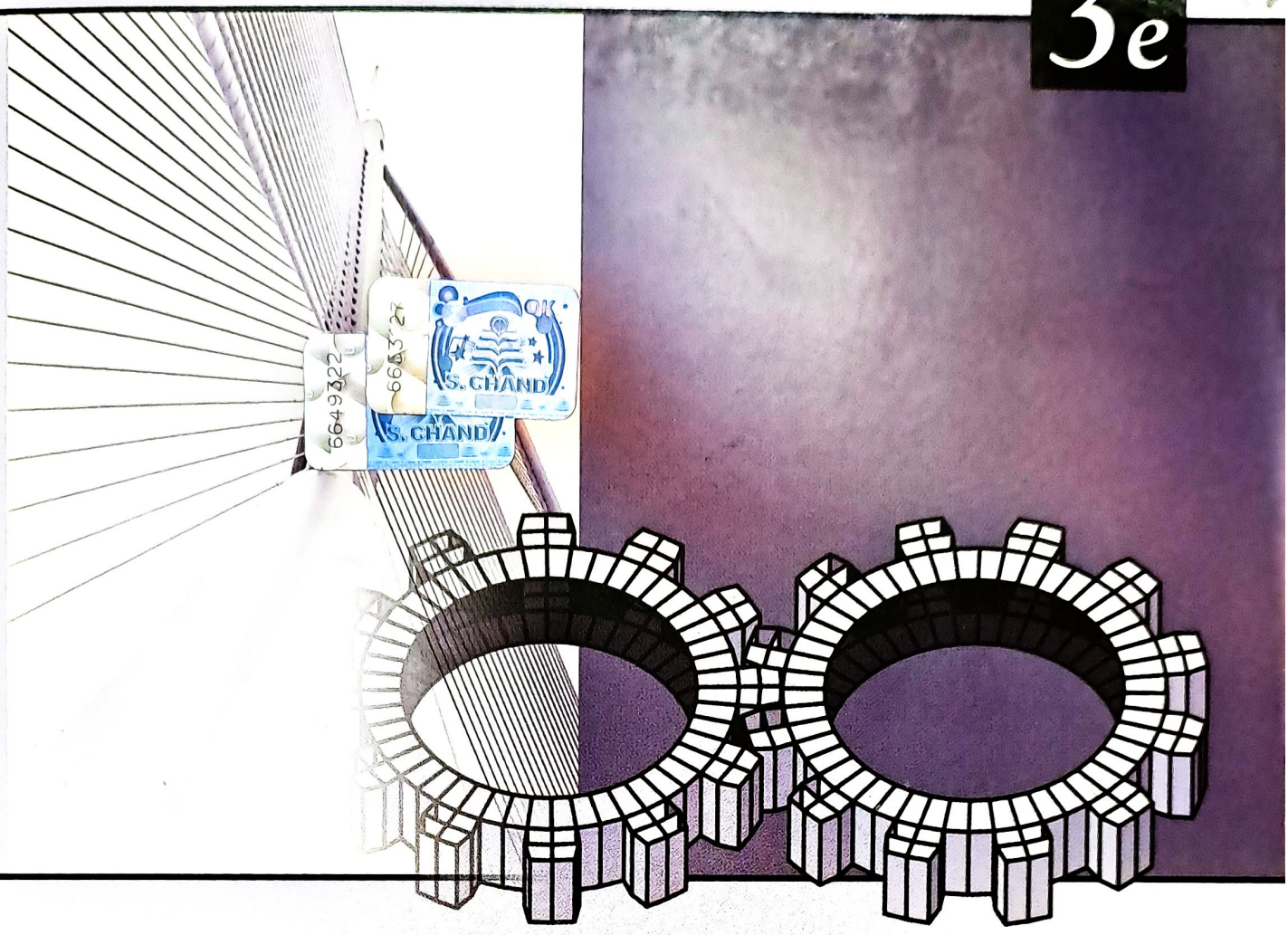

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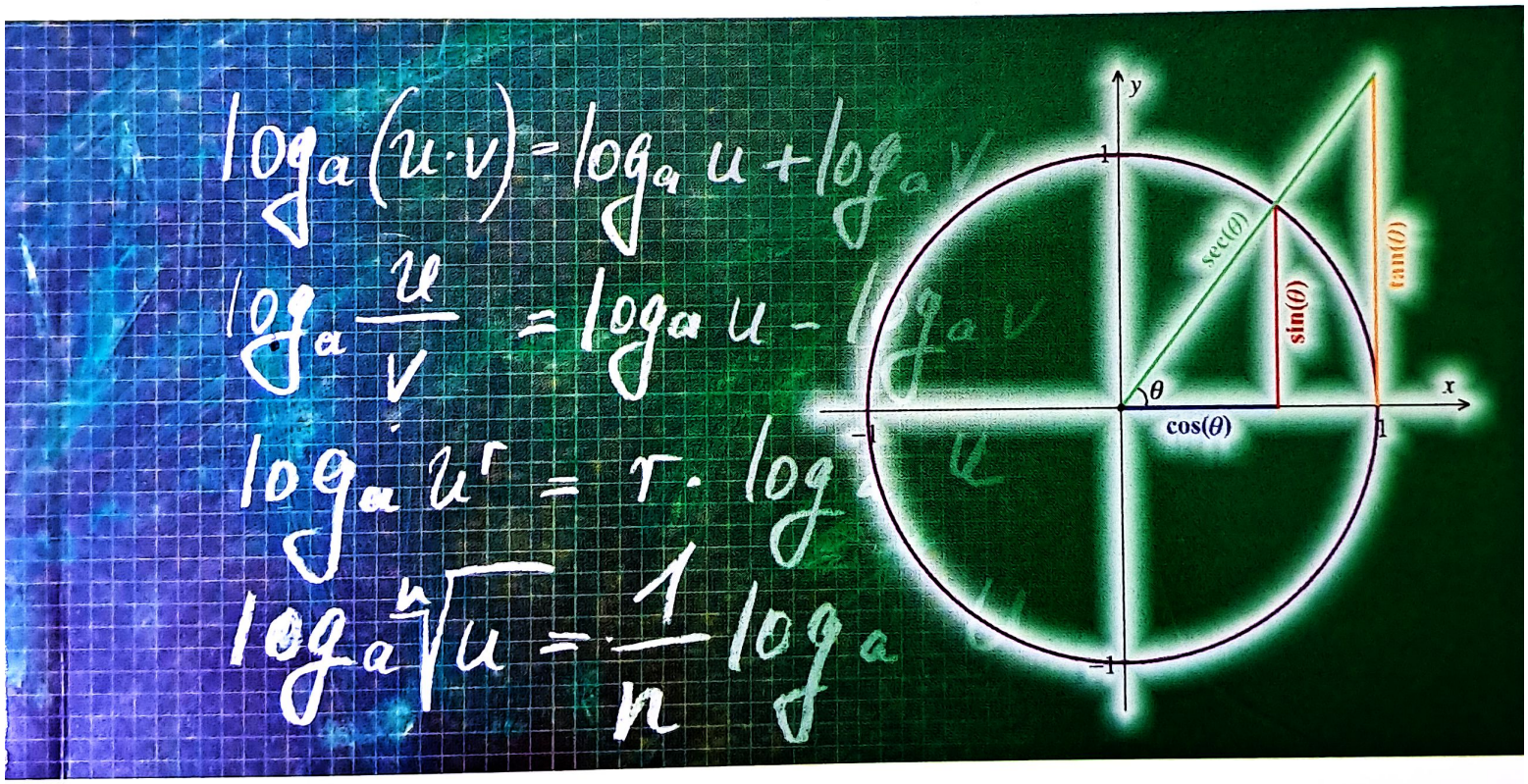

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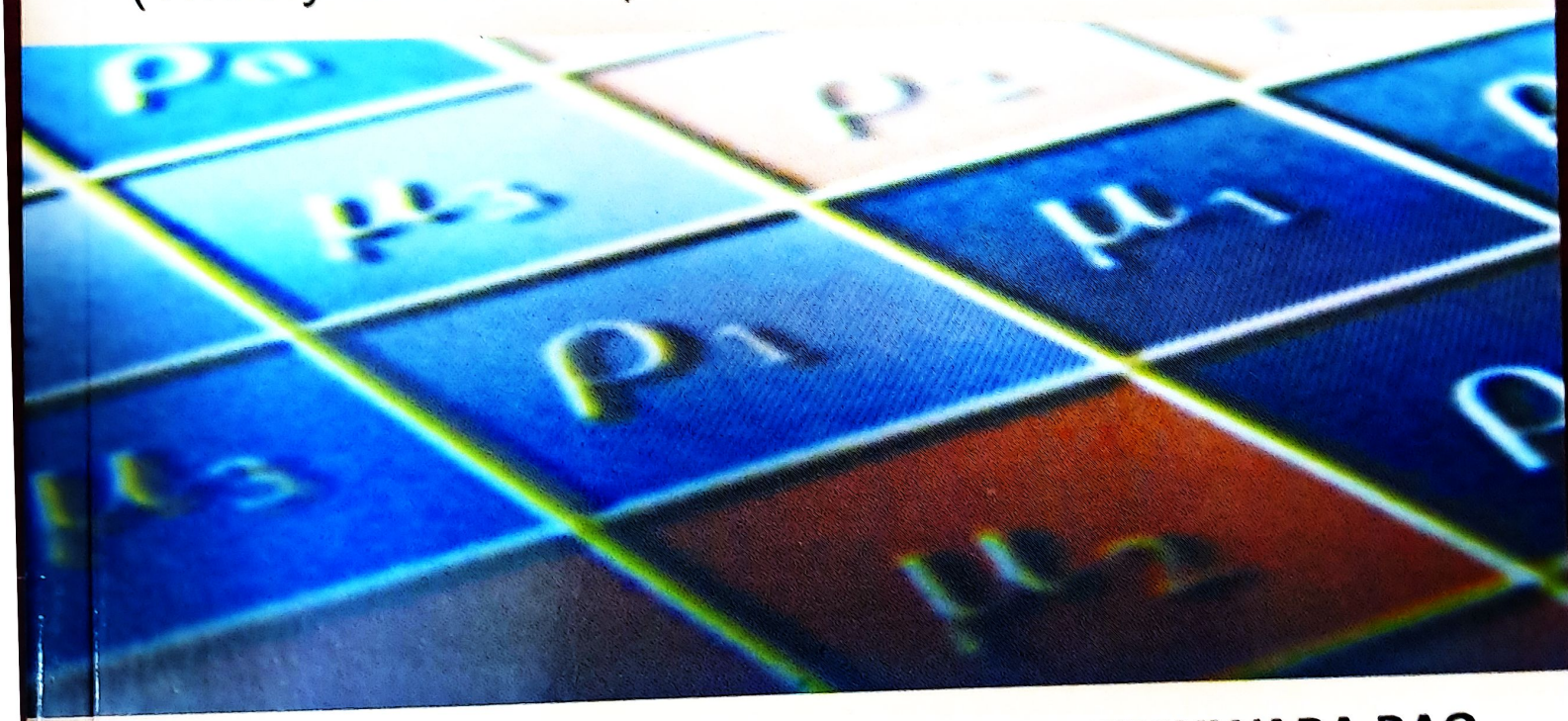

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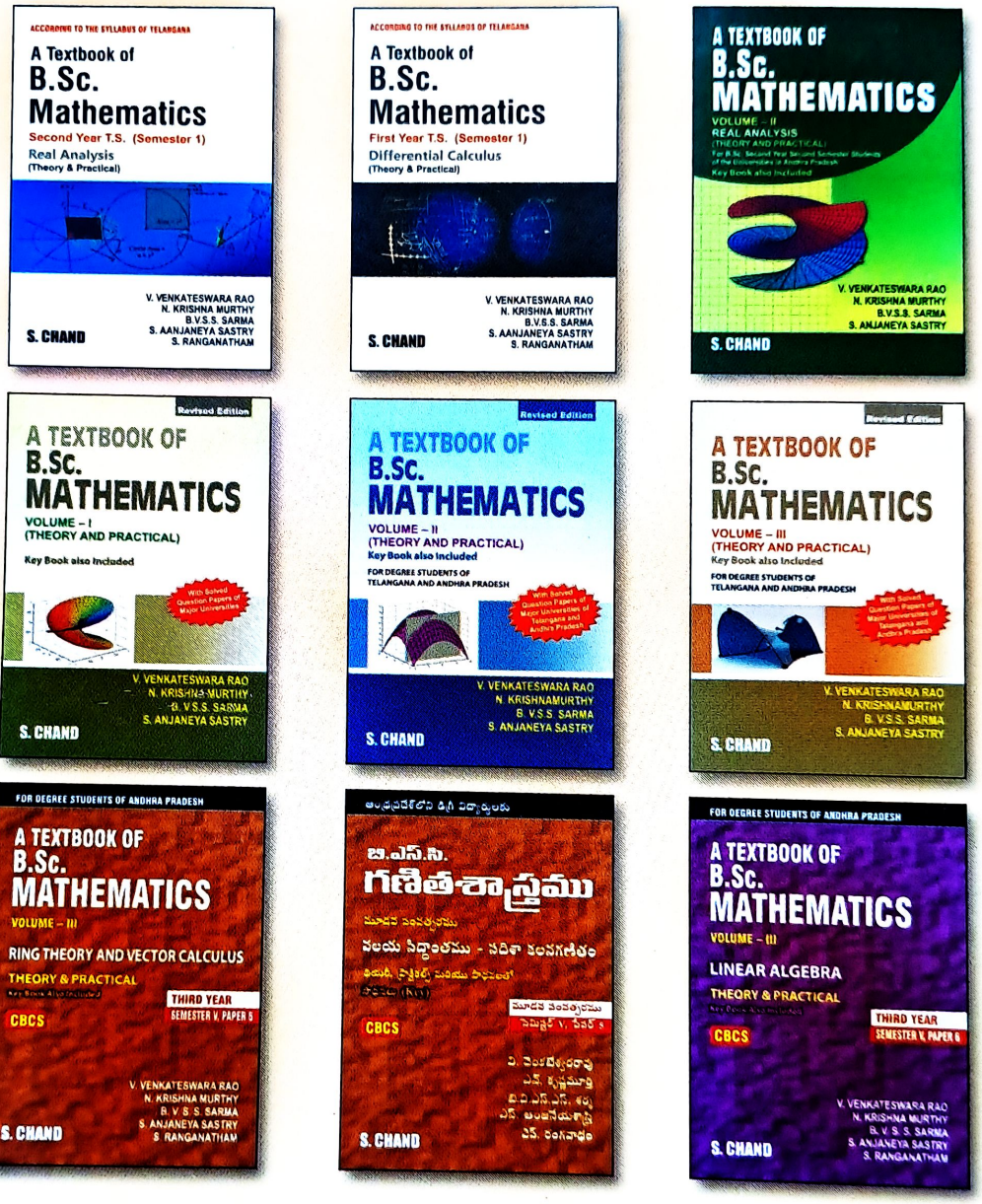

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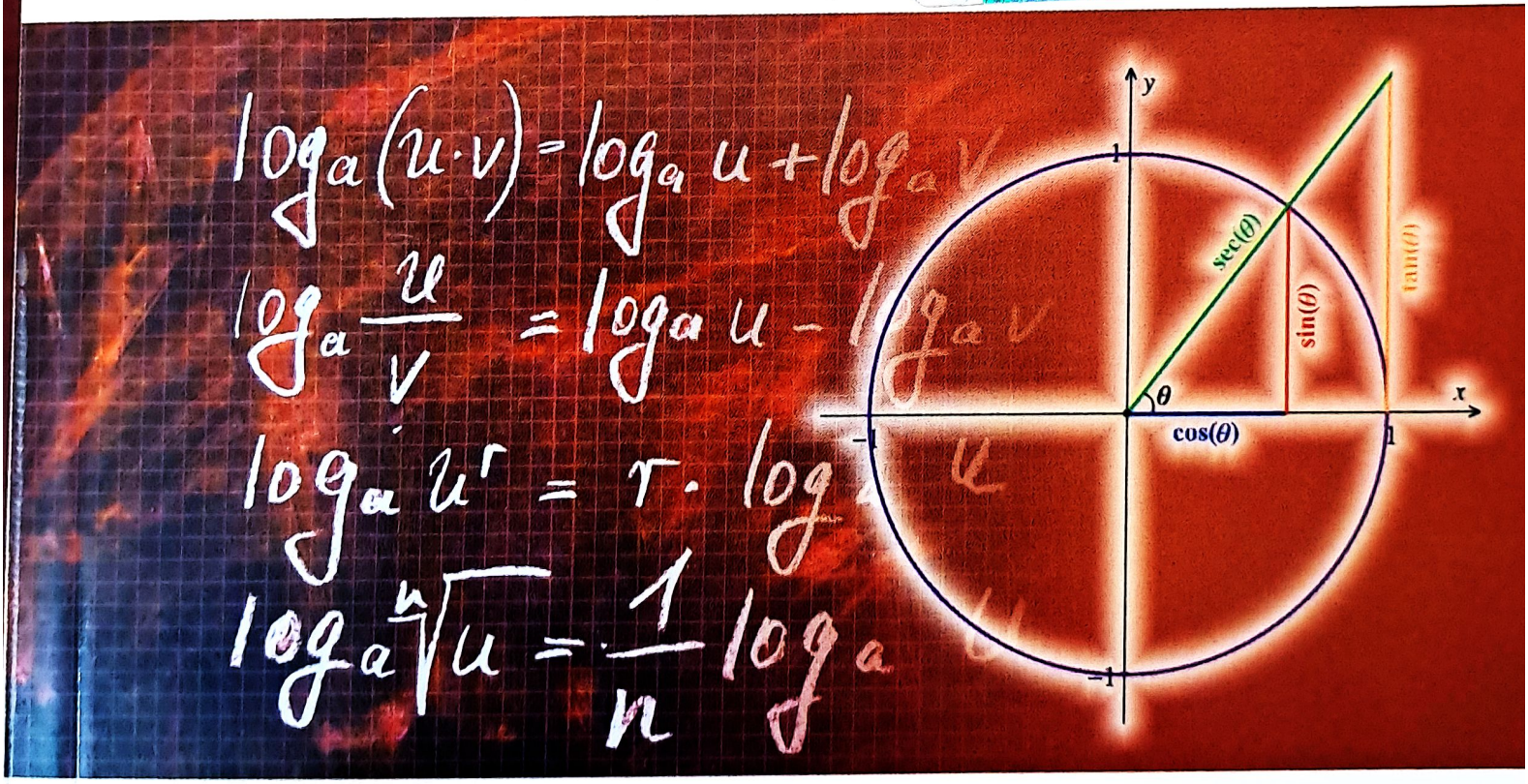

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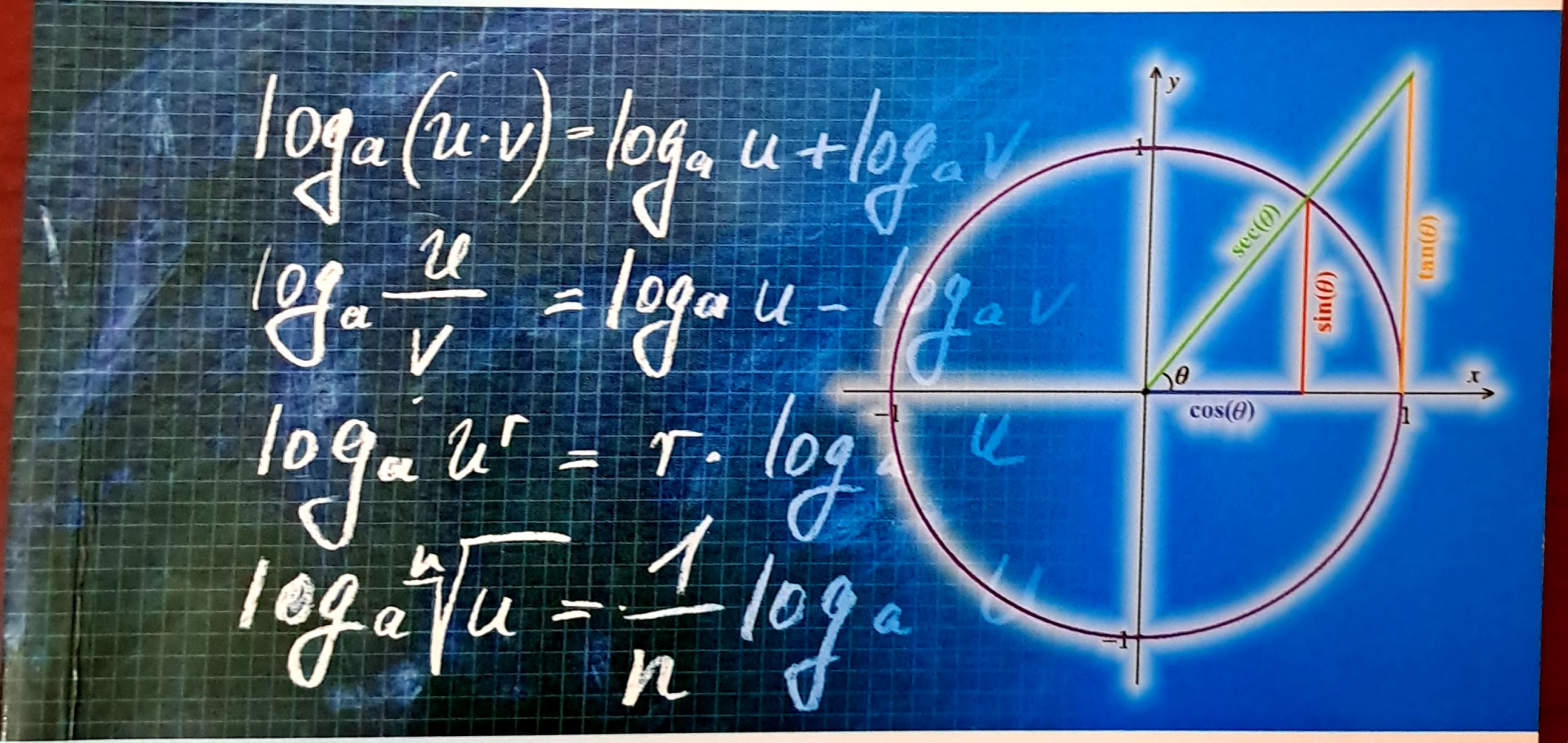

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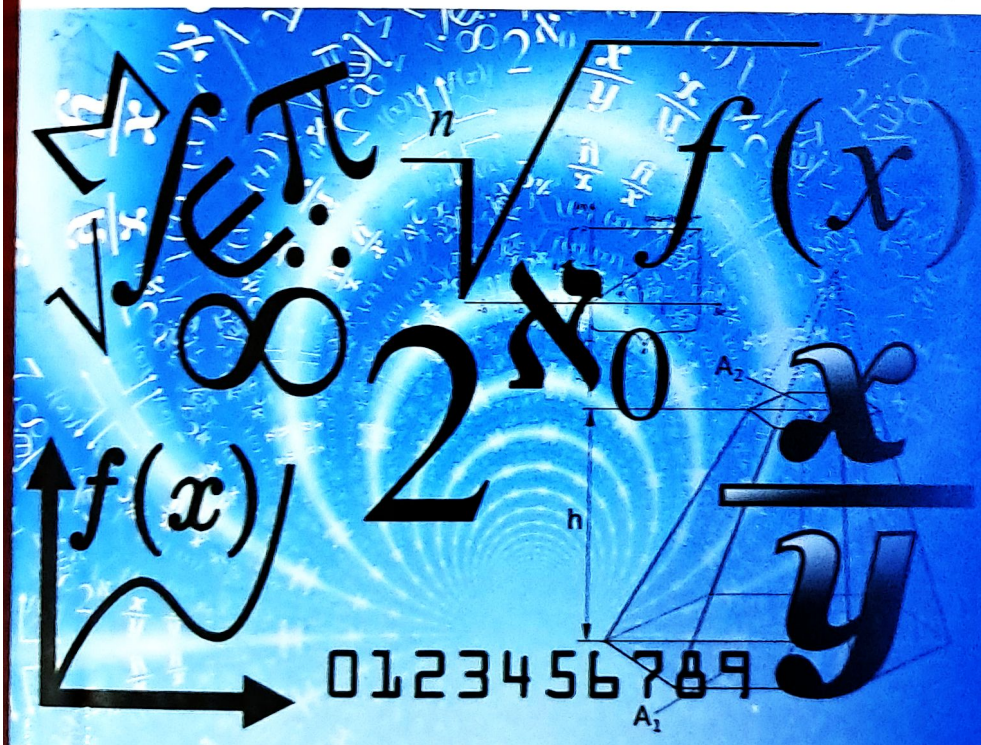

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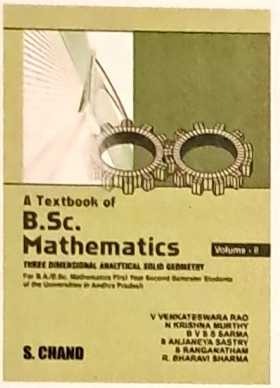

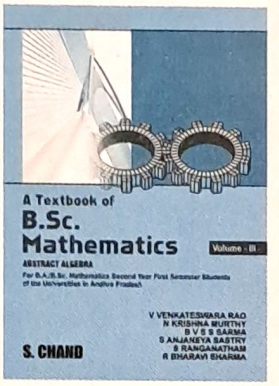

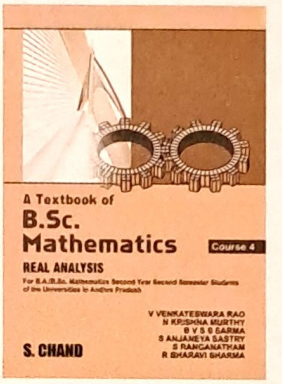

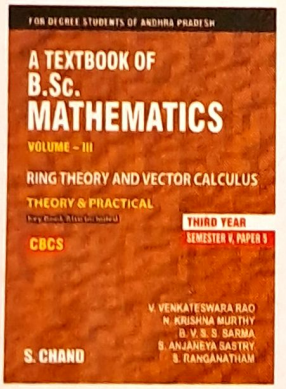

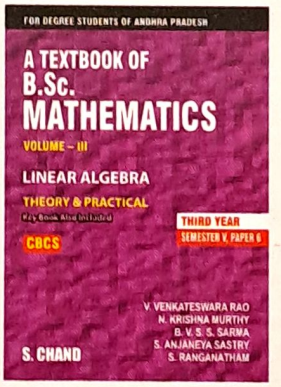

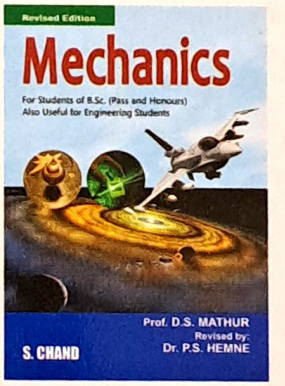

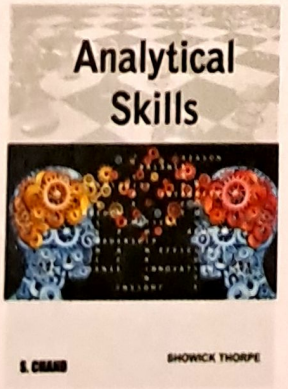

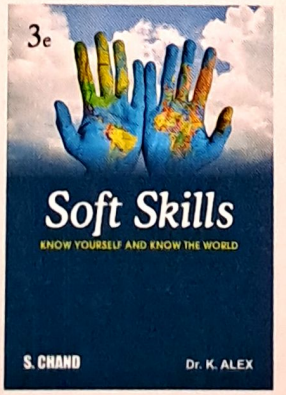

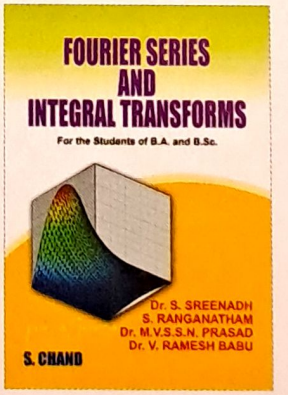

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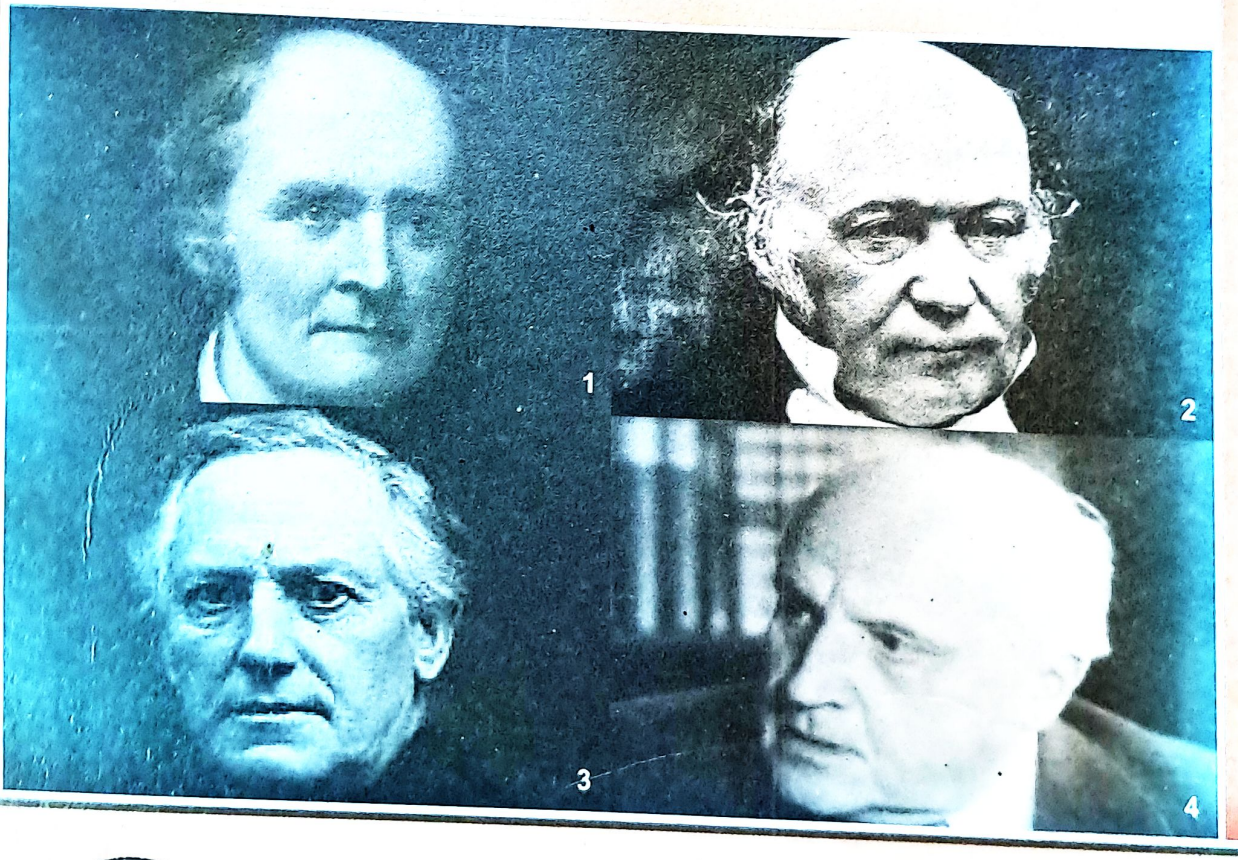

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