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A Practical Book of

PHARMACOGNOSY

*Strictly As Per Syllabus Framed under Education Regulation 2020
Prescribed for D. Pharmacy, First Year by Pharmacy Council of India*

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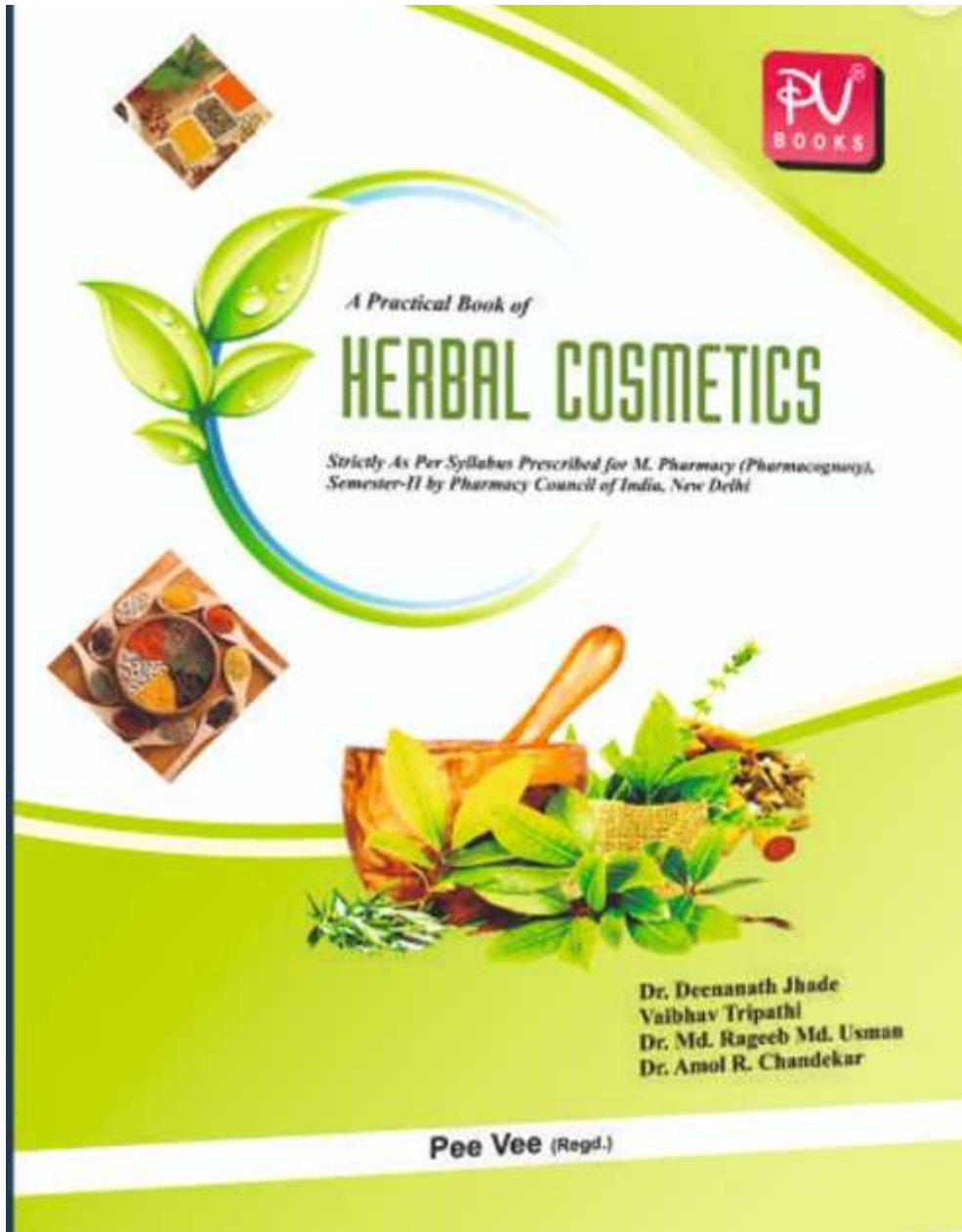


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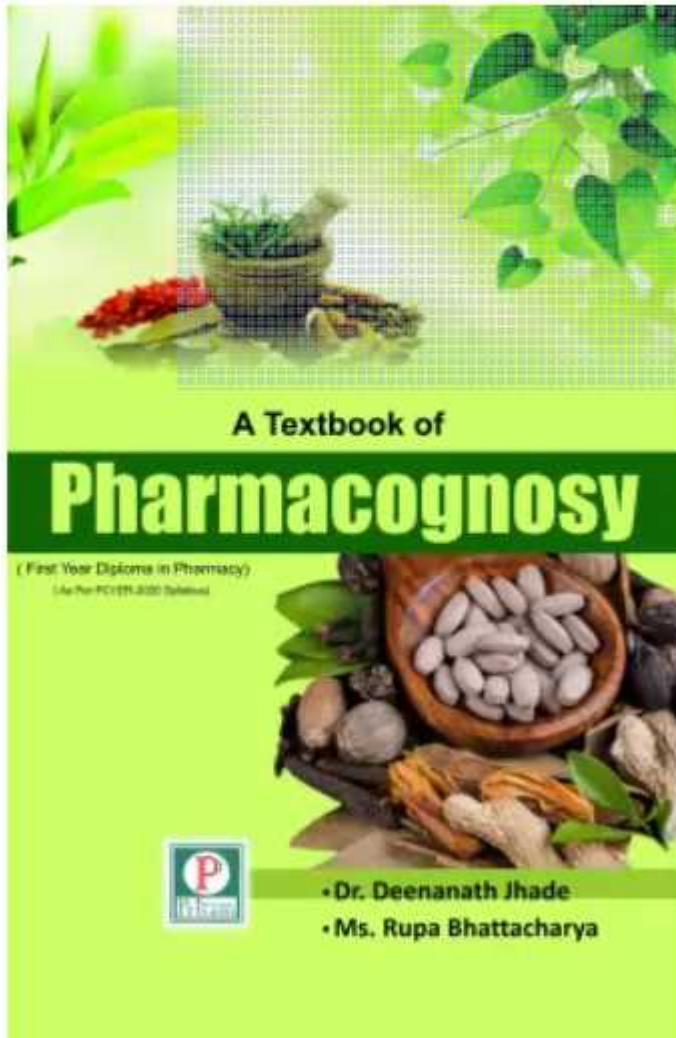


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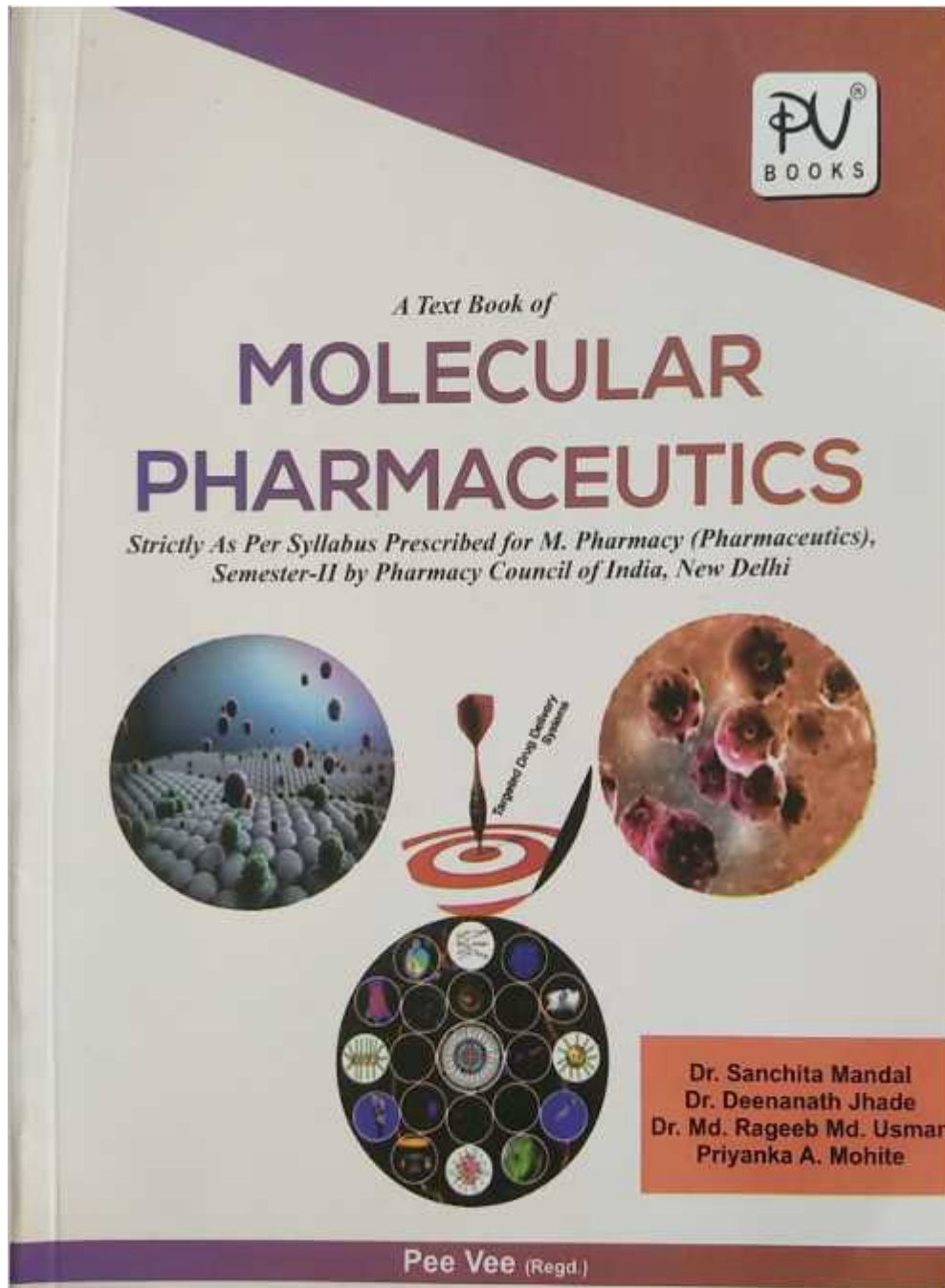


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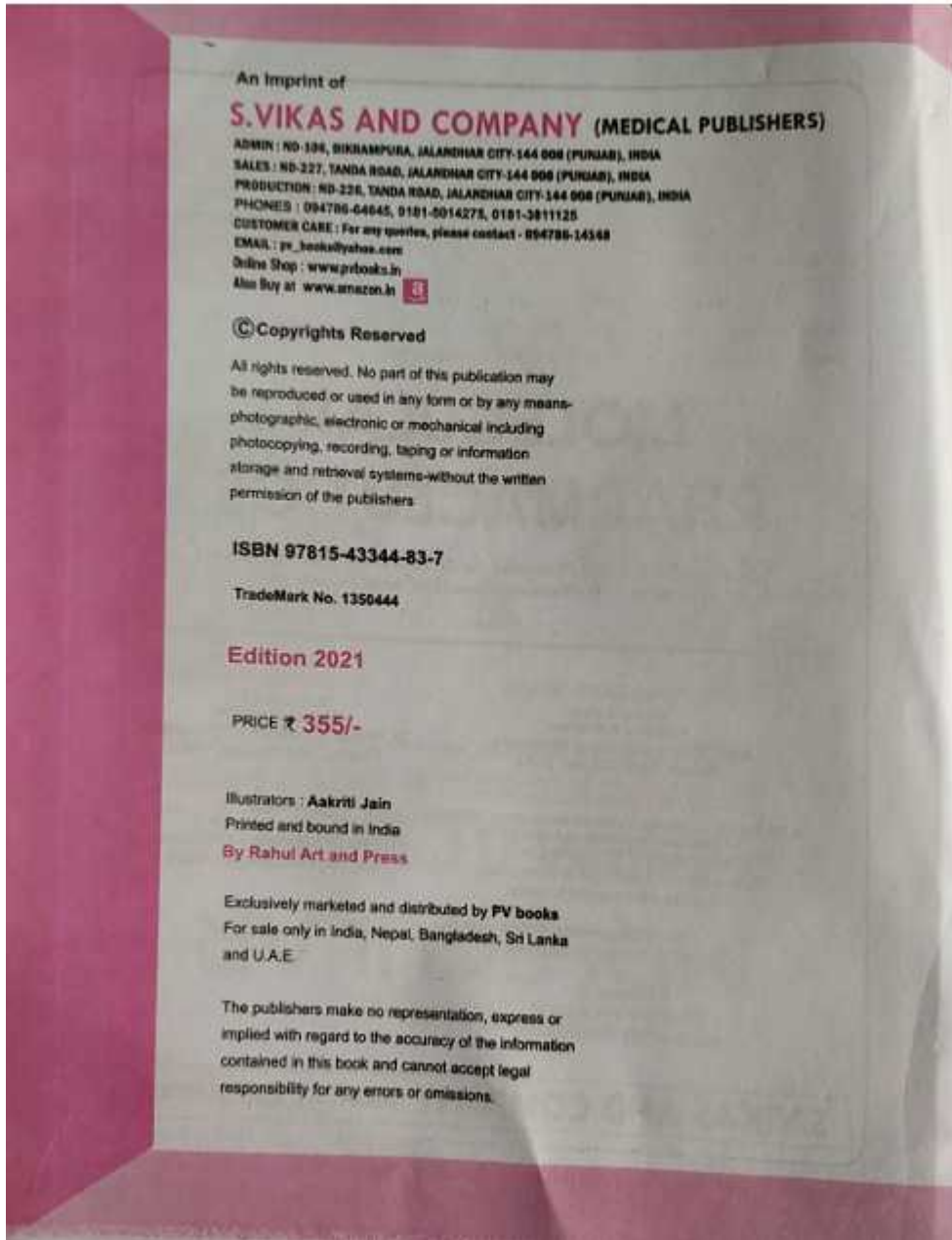


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SYLLABUS

(MPH 201T) MOLECULAR PHARMACEUTICS (NANO TECHNOLOGY & TARGETED DDS) (NTDS)

1. Targeted Drug Delivery Systems

Concepts, Events and biological process involved in drug targeting. Tumor targeting and Brain specific delivery.

2. Targeting Methods

Introduction preparation and evaluation.

Nano Particles & Liposomes

Types, preparation and evaluation.

3. Micro Capsules/Micro Spheres

Types, preparation and evaluation, Monoclonal Antibodies ; preparation and application, preparation and application of Niosomes, Aquasomes, Phytosomes, Electrosomes.

4. Pulmonary Drug Delivery Systems

Aerosols, propellents, Containers-Types, preparation and evaluation, Intra Nasal Route Delivery systems; Types, preparation and evaluation.

5. Nucleic acid based therapeutic delivery system

Gene therapy, introduction (ex-vivo & in-vivo gene therapy). Potential target diseases for gene therapy (inherited disorder and cancer).

Gene expression systems (viral and nonviral gene transfer).

Liposomal gene delivery systems.

Biodistribution and Pharmacokinetics. knowledge of therapeutic antisense molecules and aptamers as drugs of future.

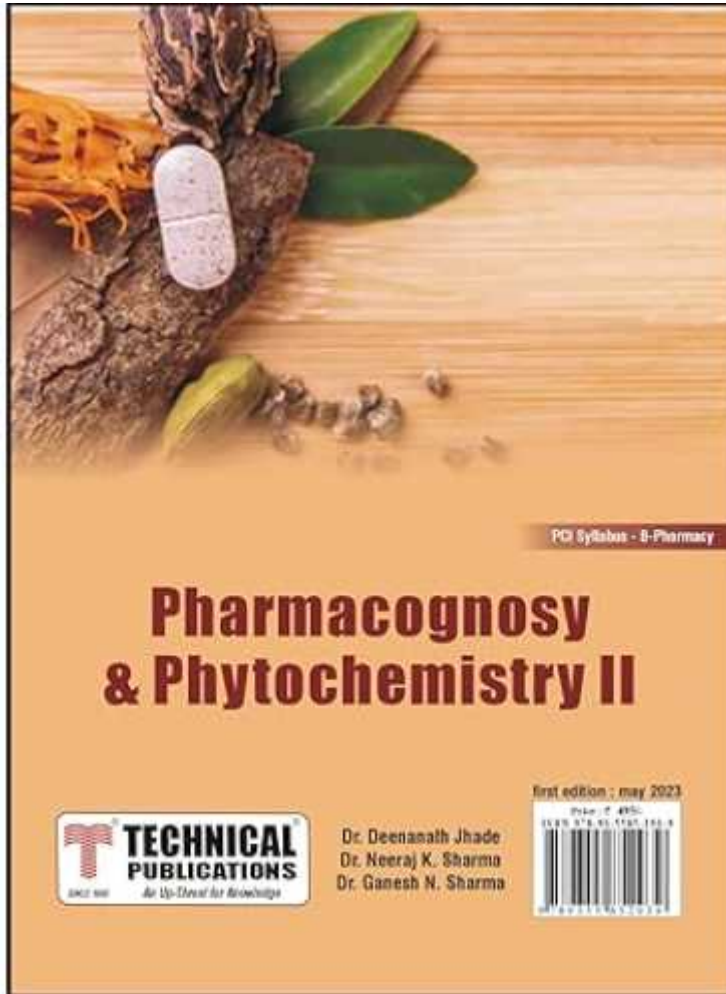


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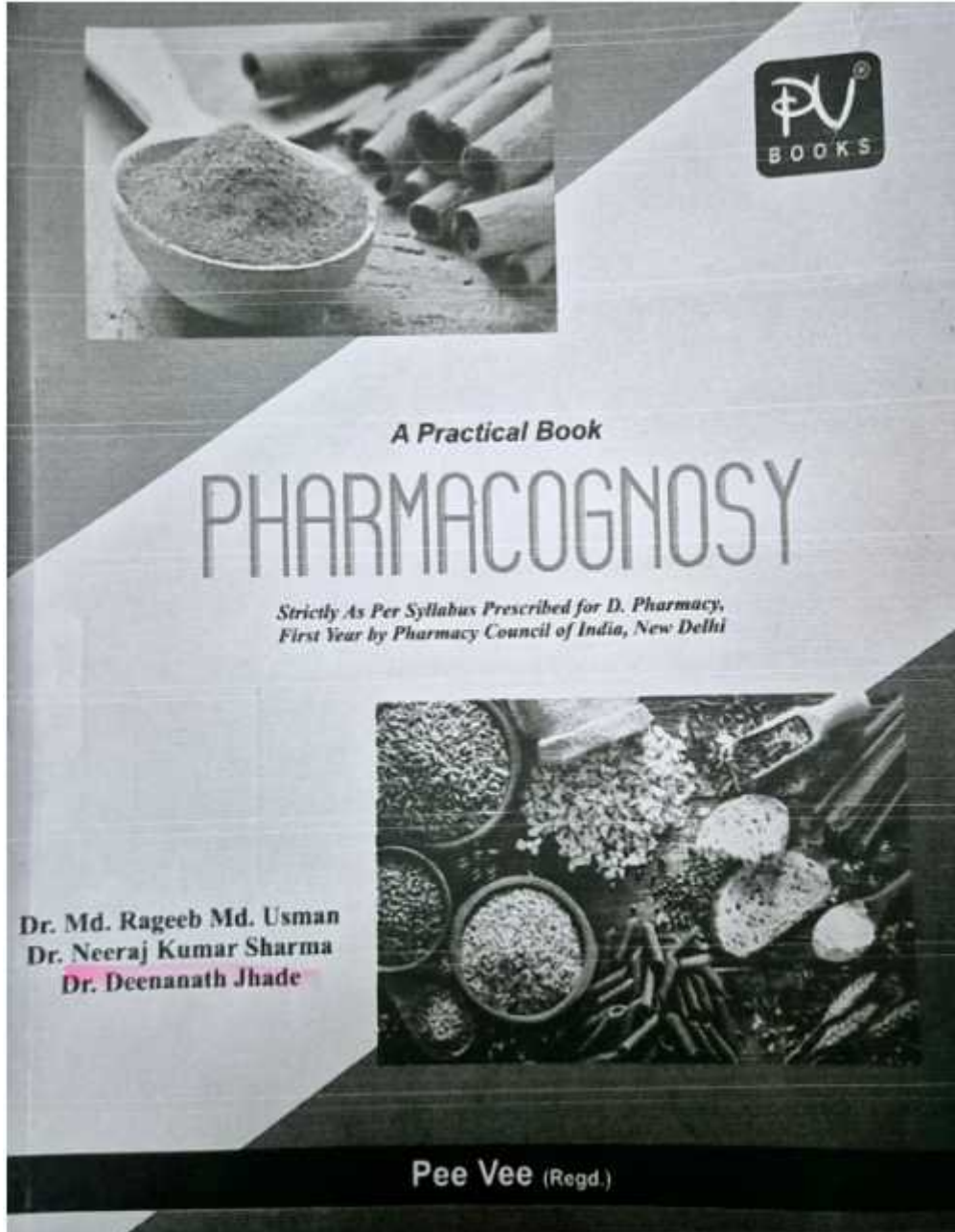


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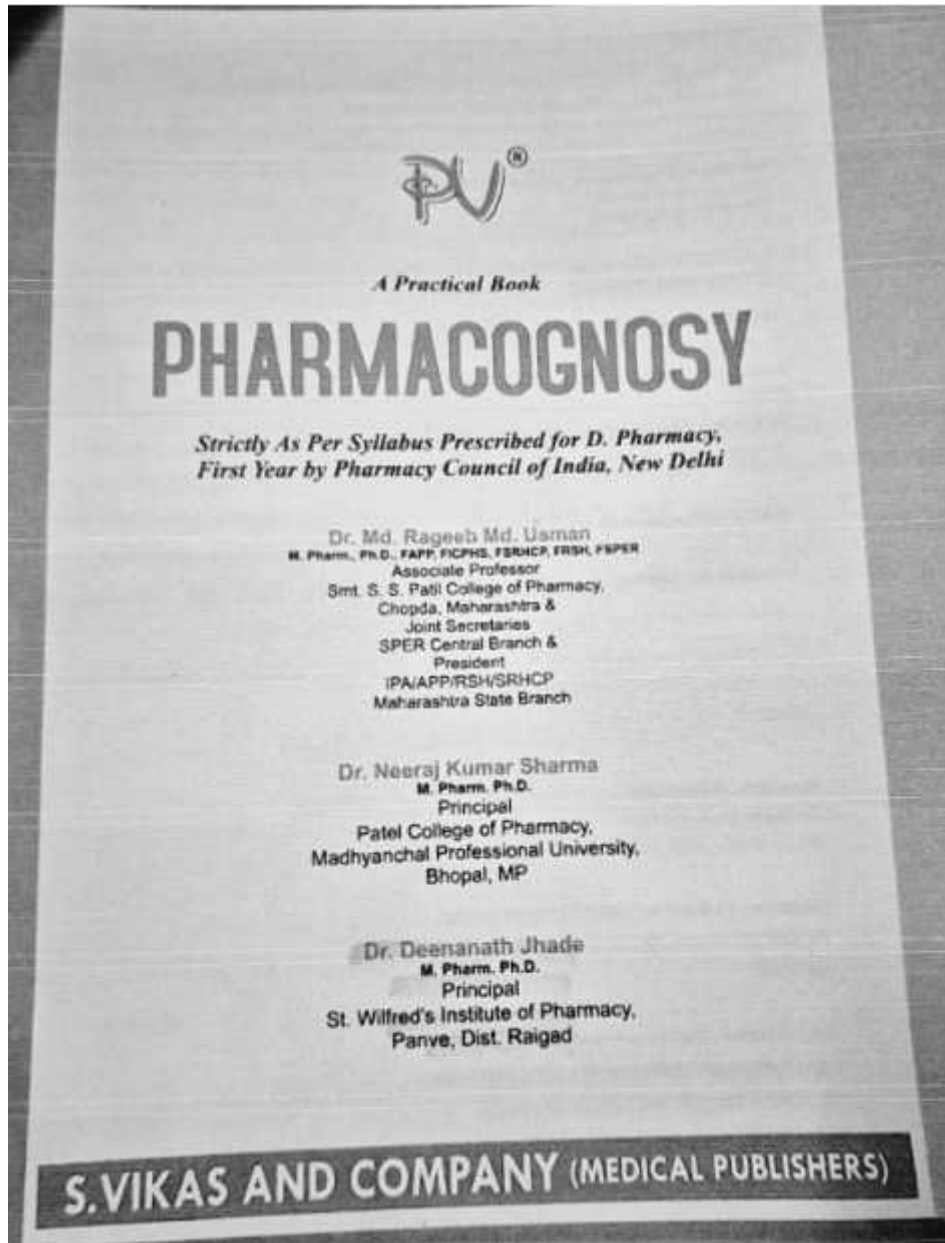


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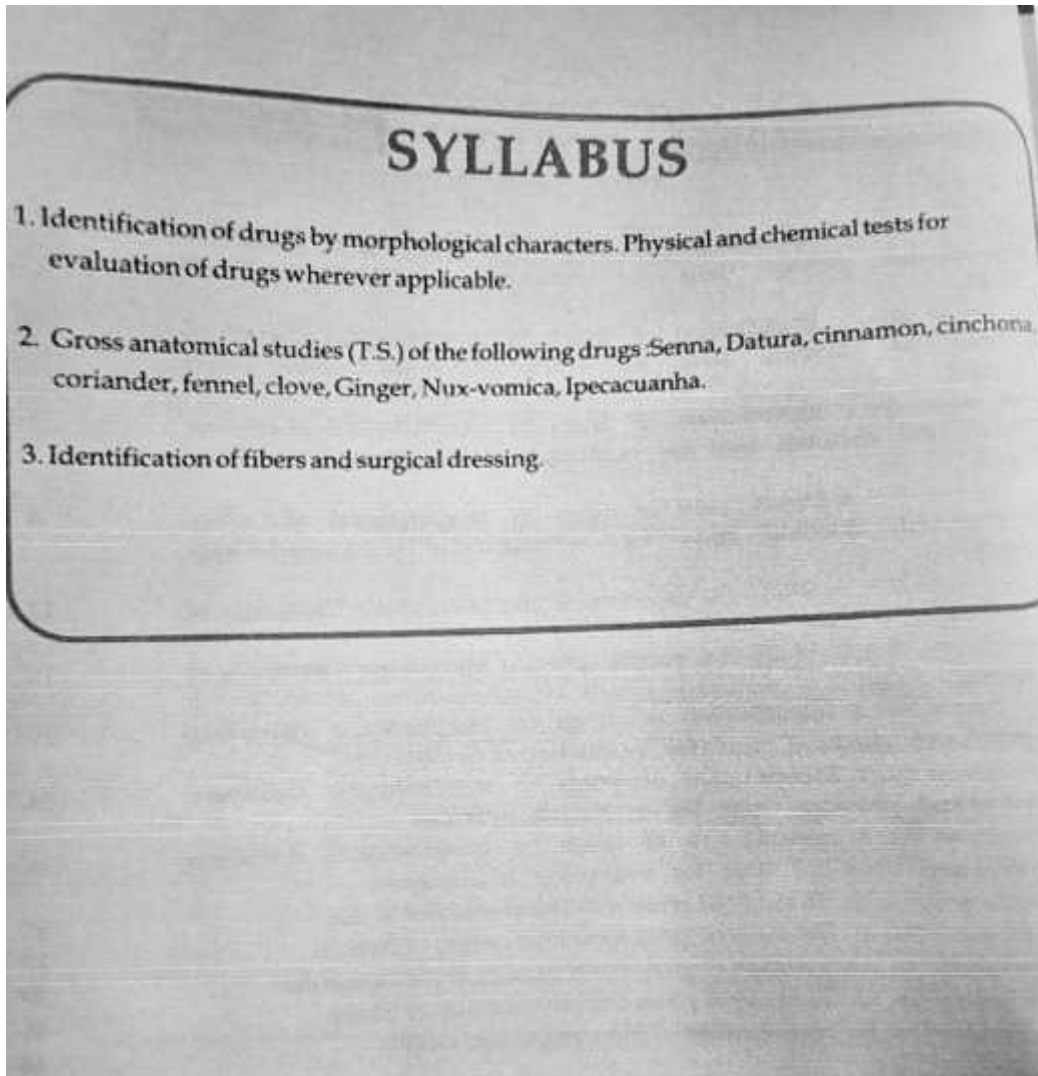


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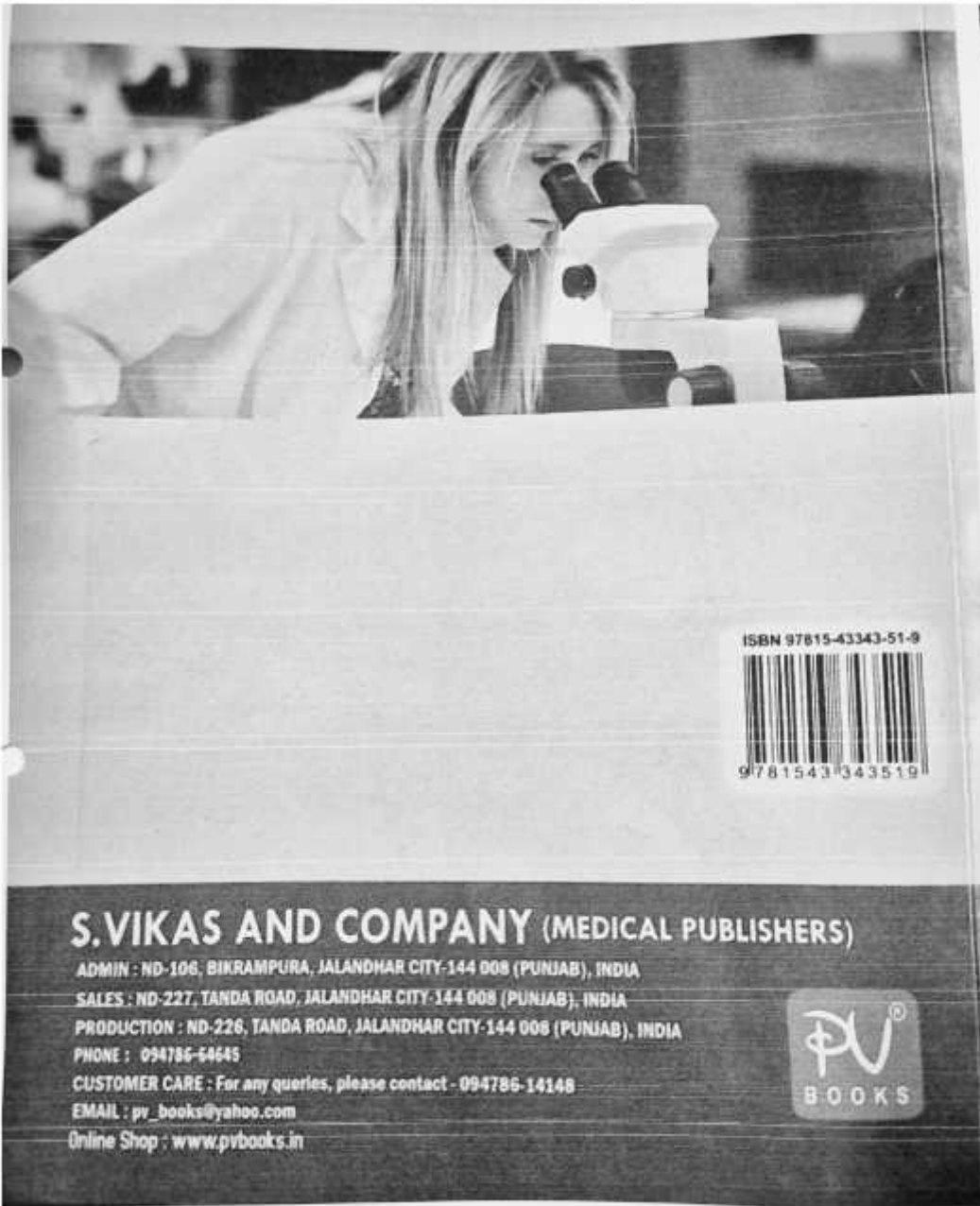


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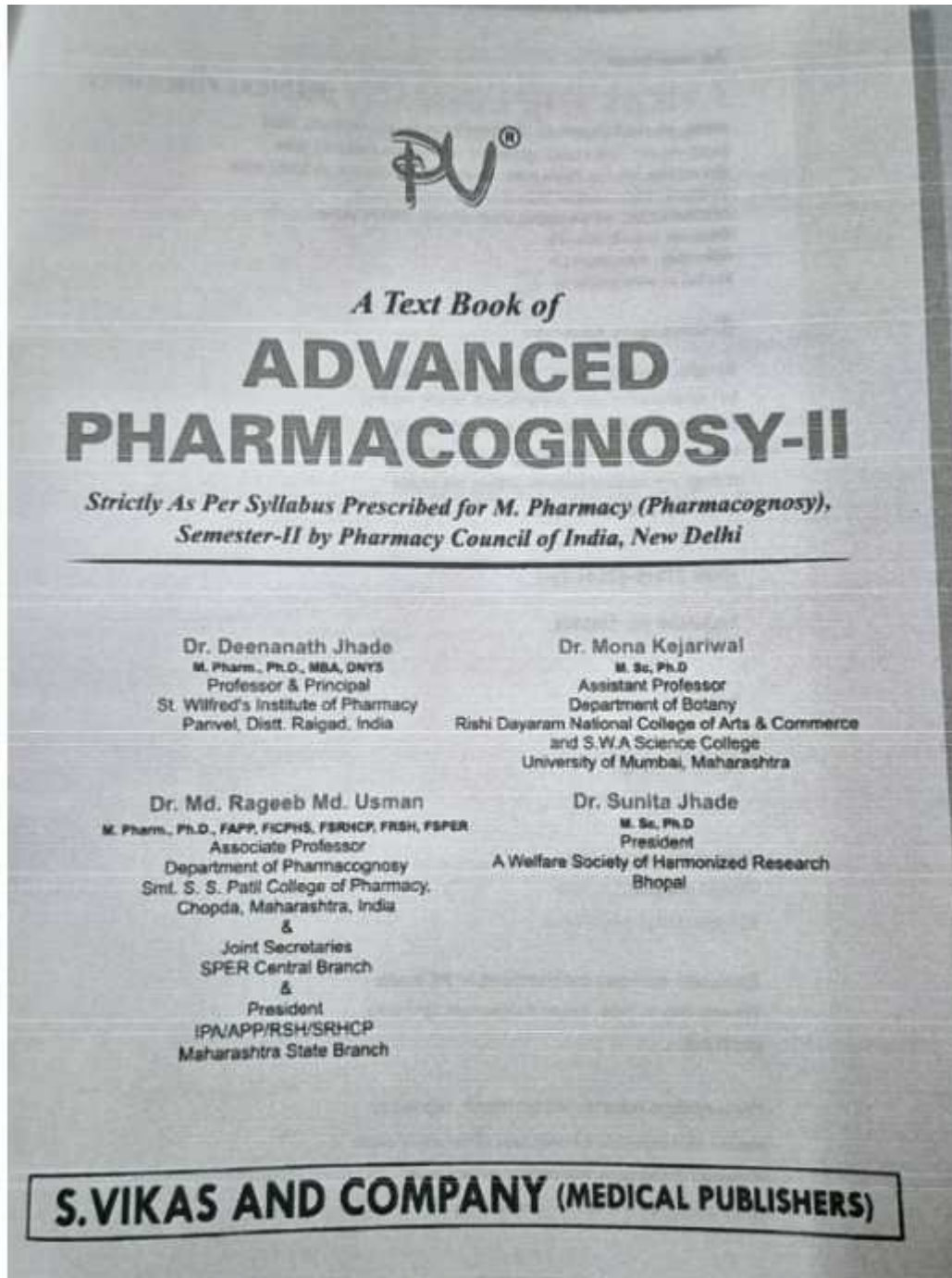


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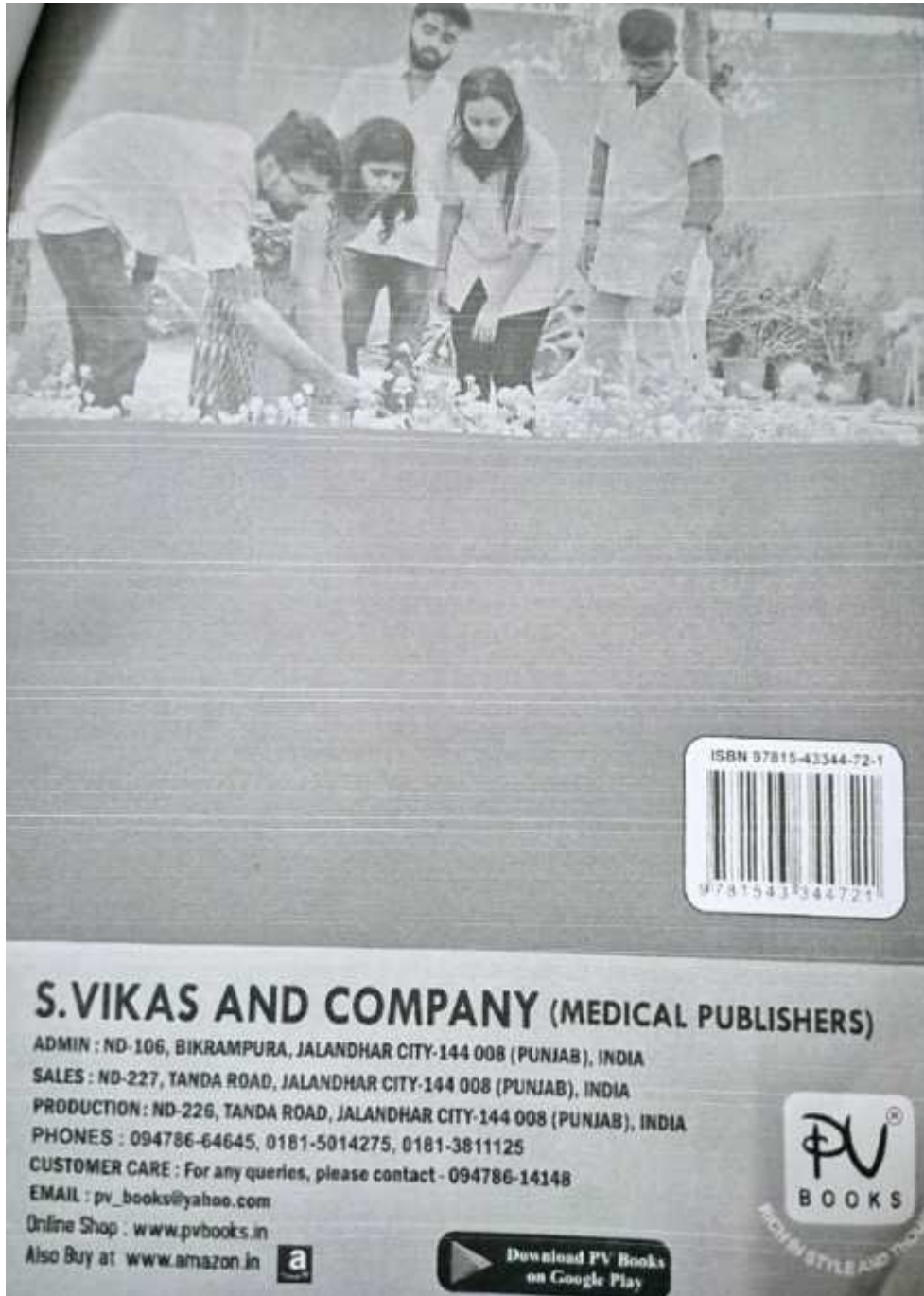


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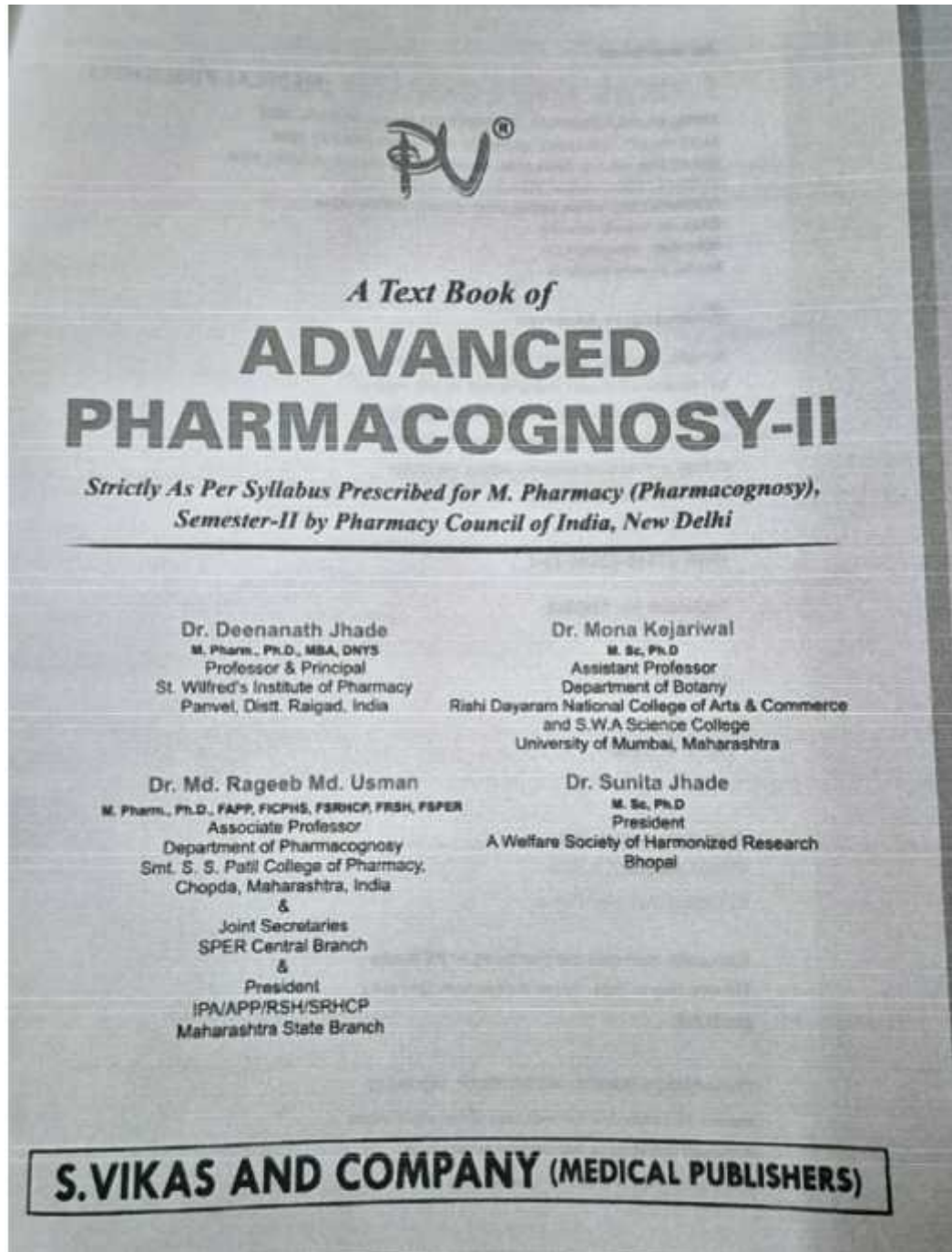


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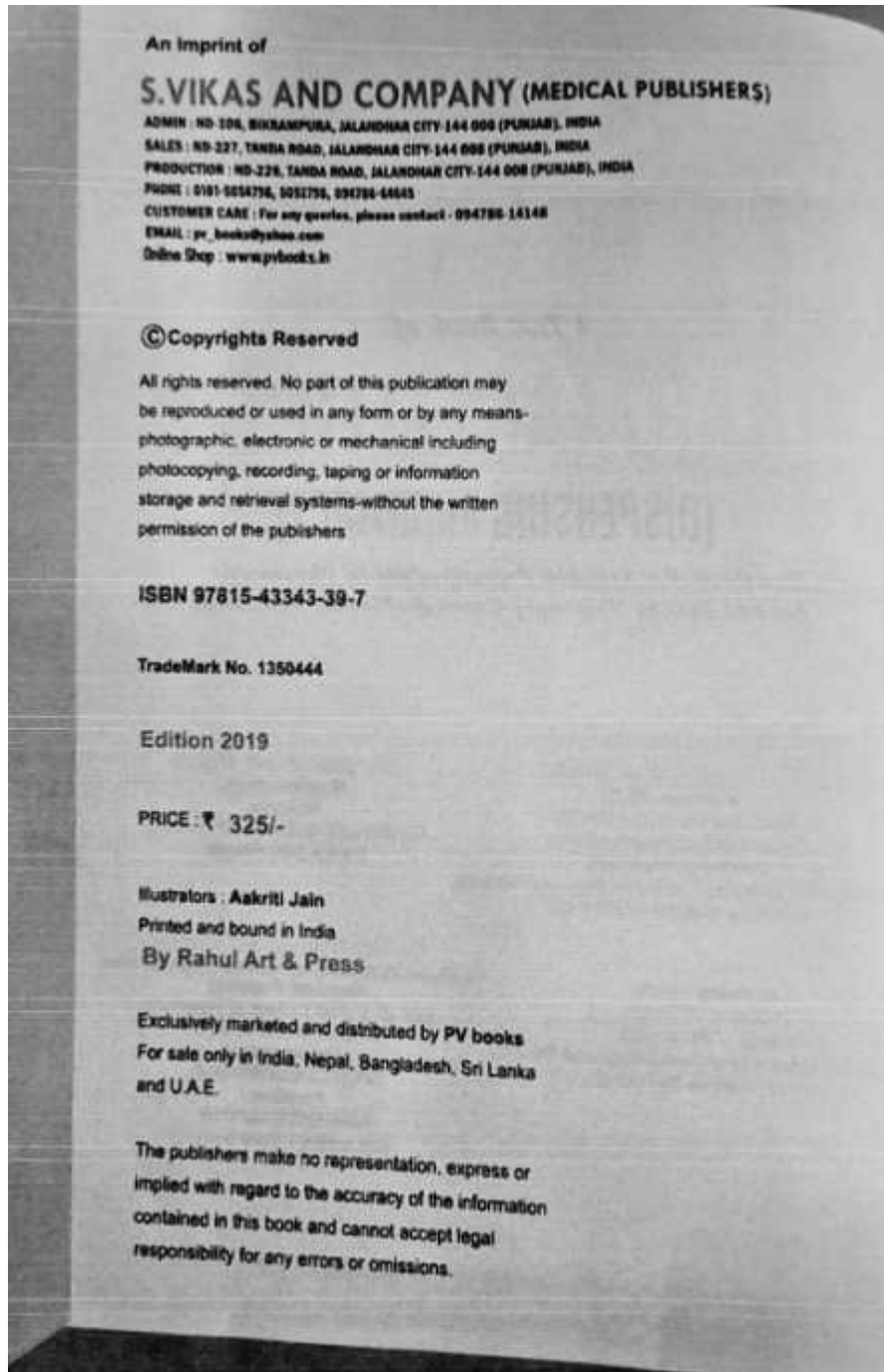


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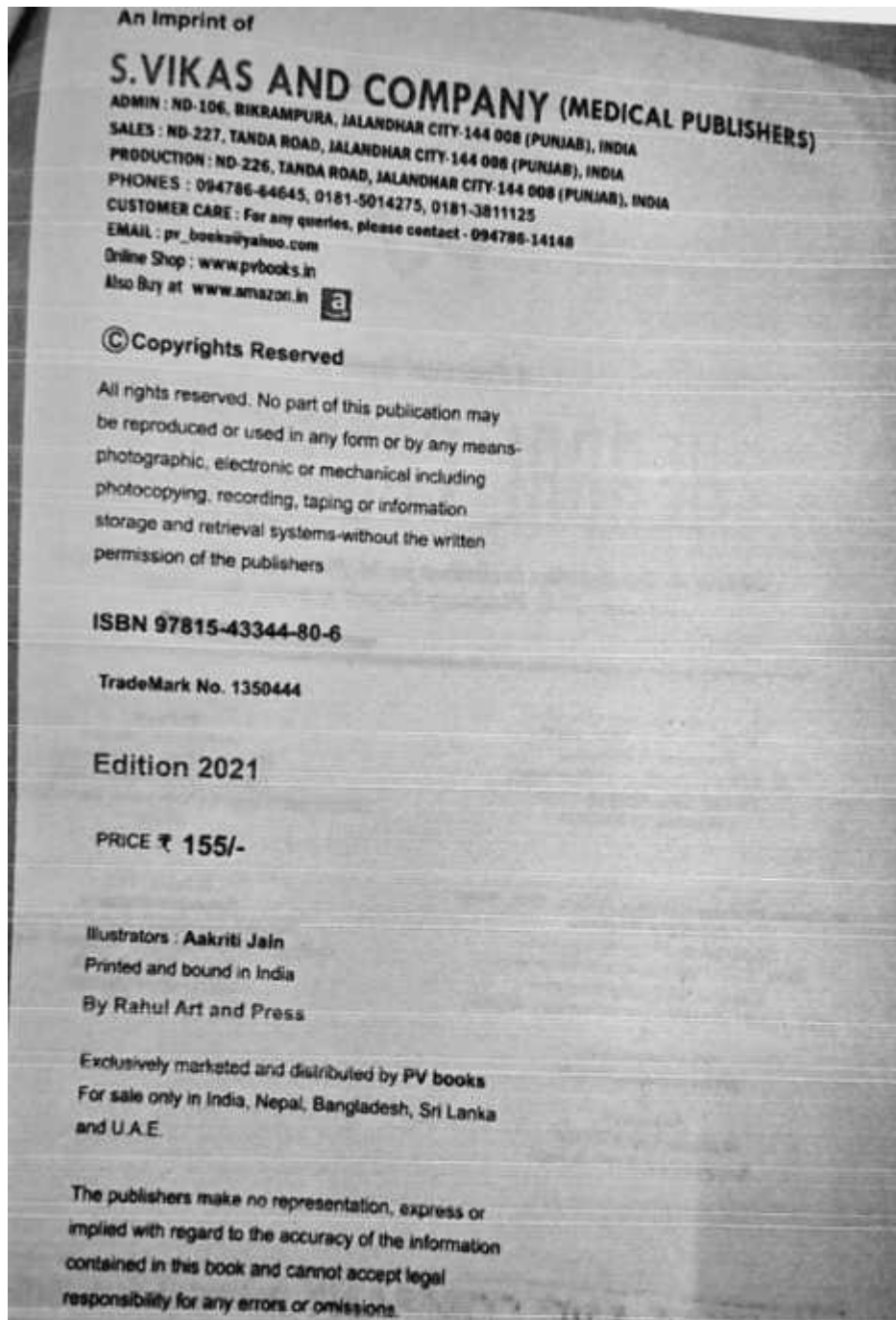


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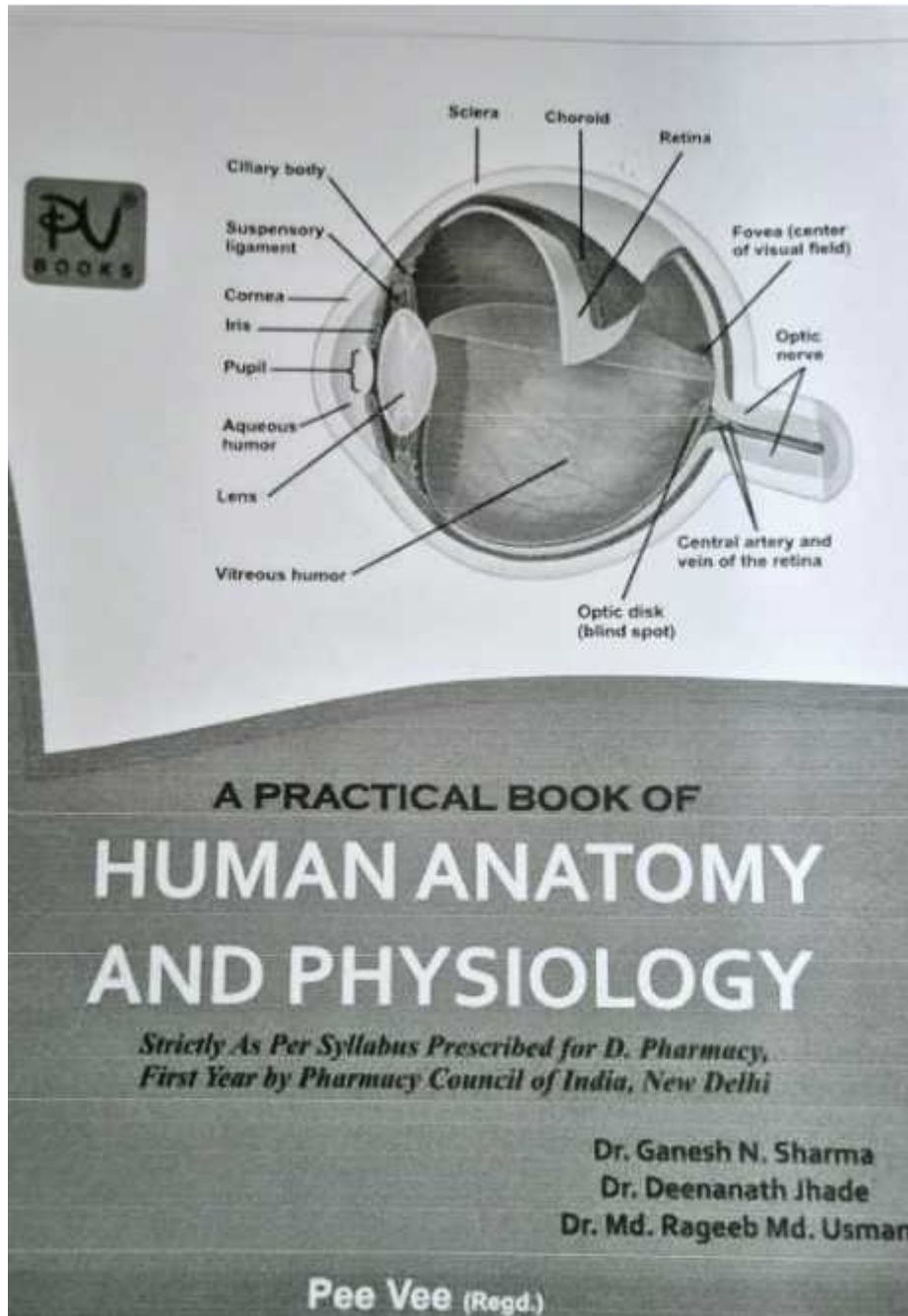


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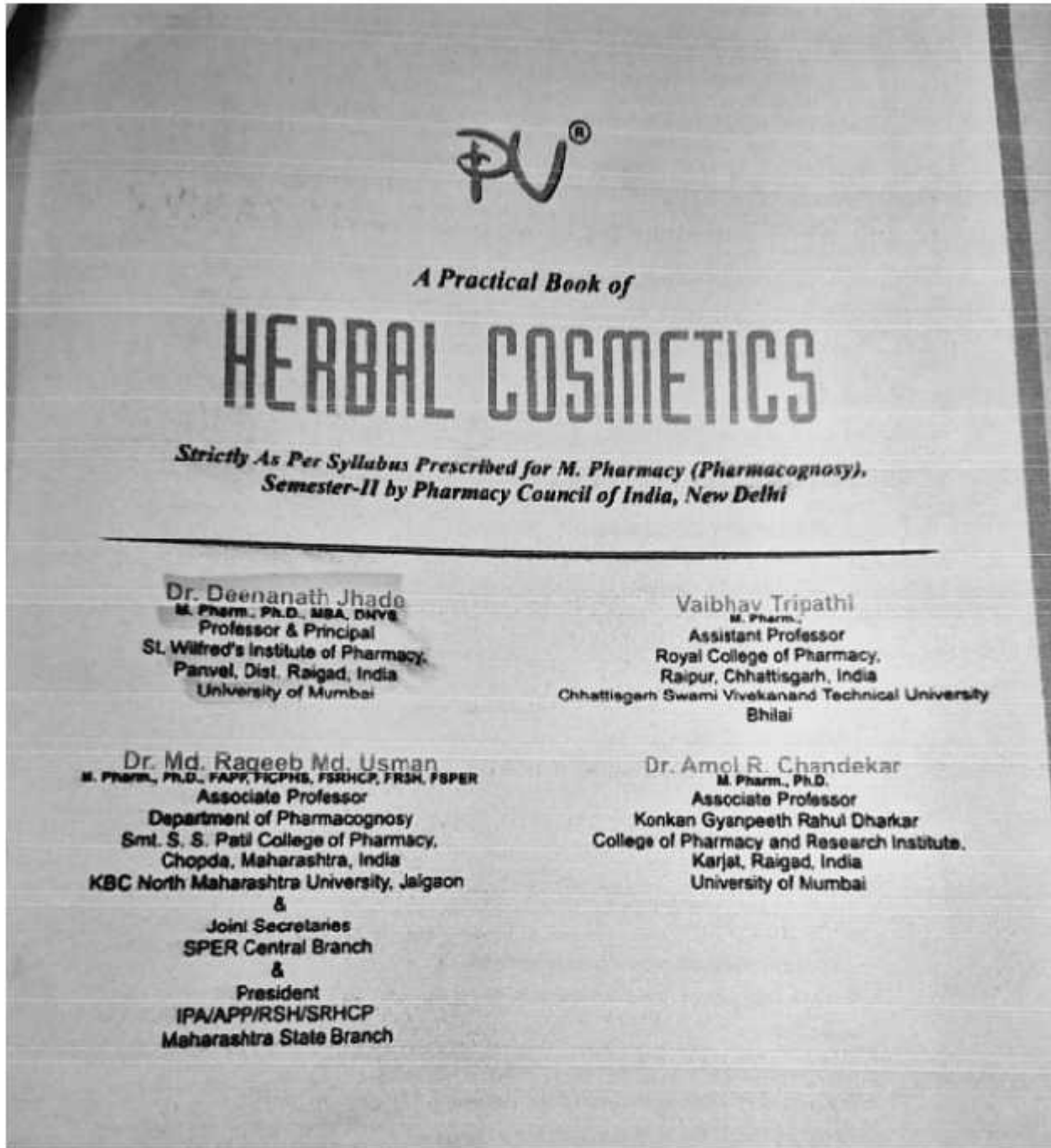


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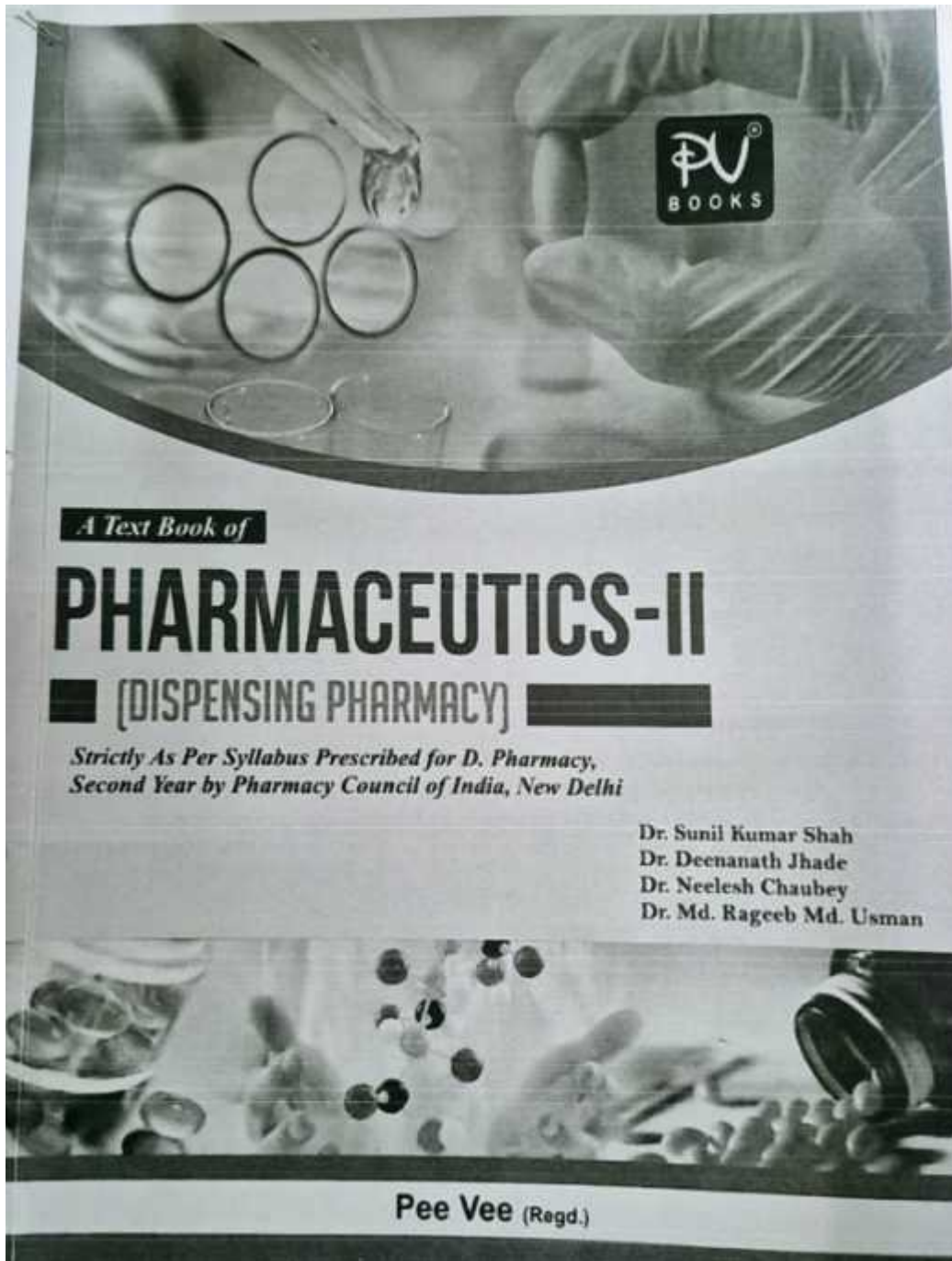


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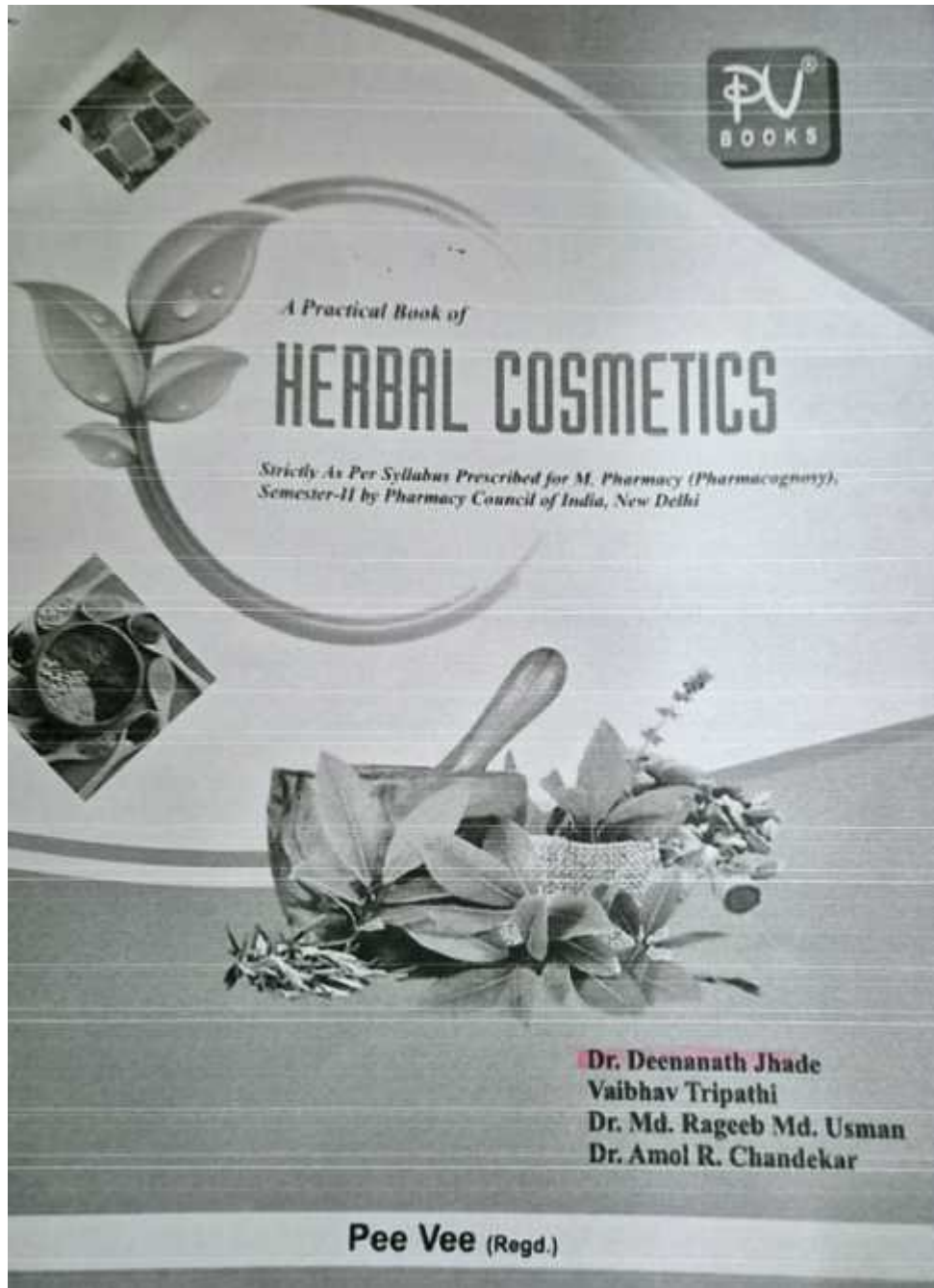


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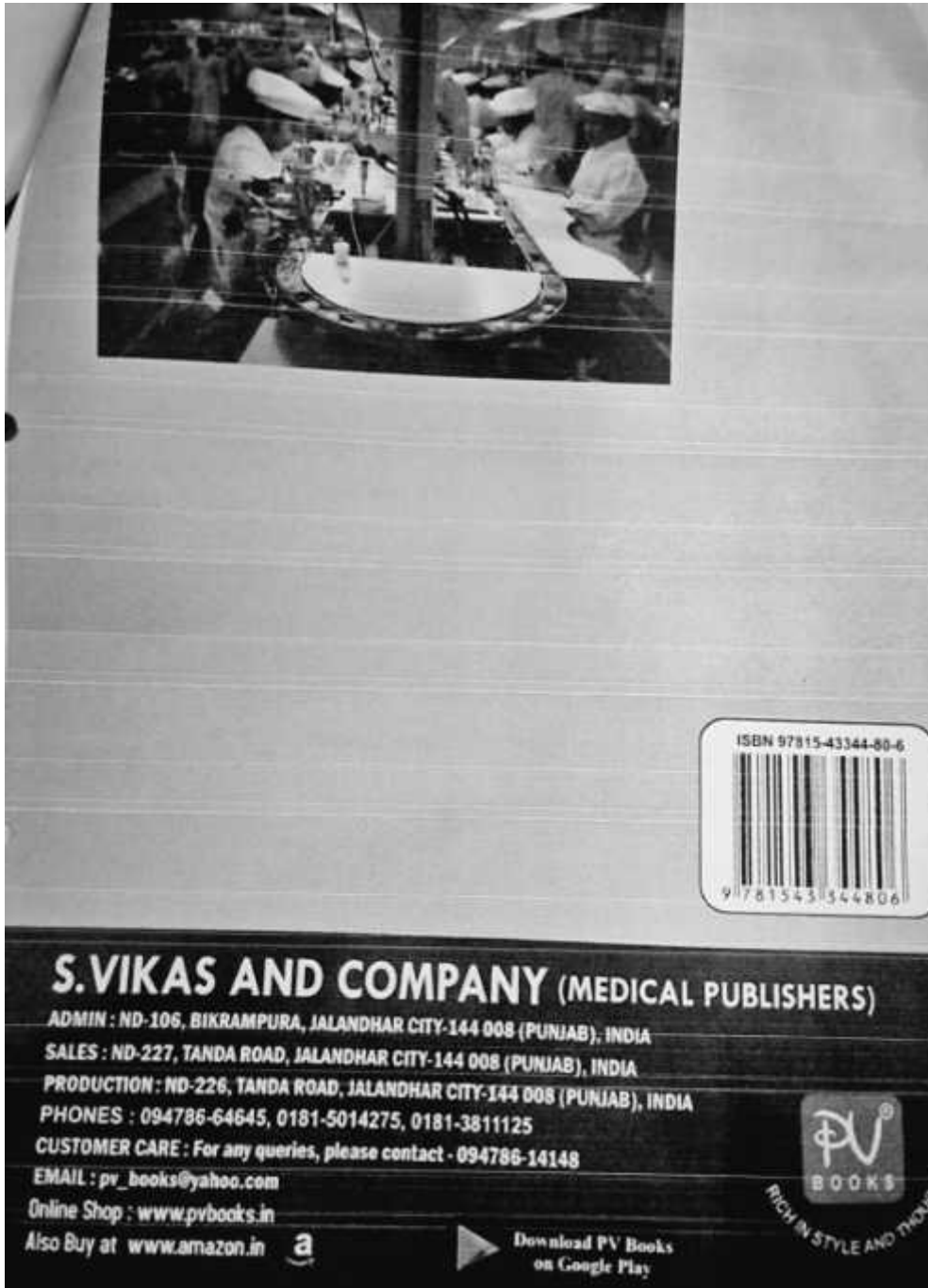


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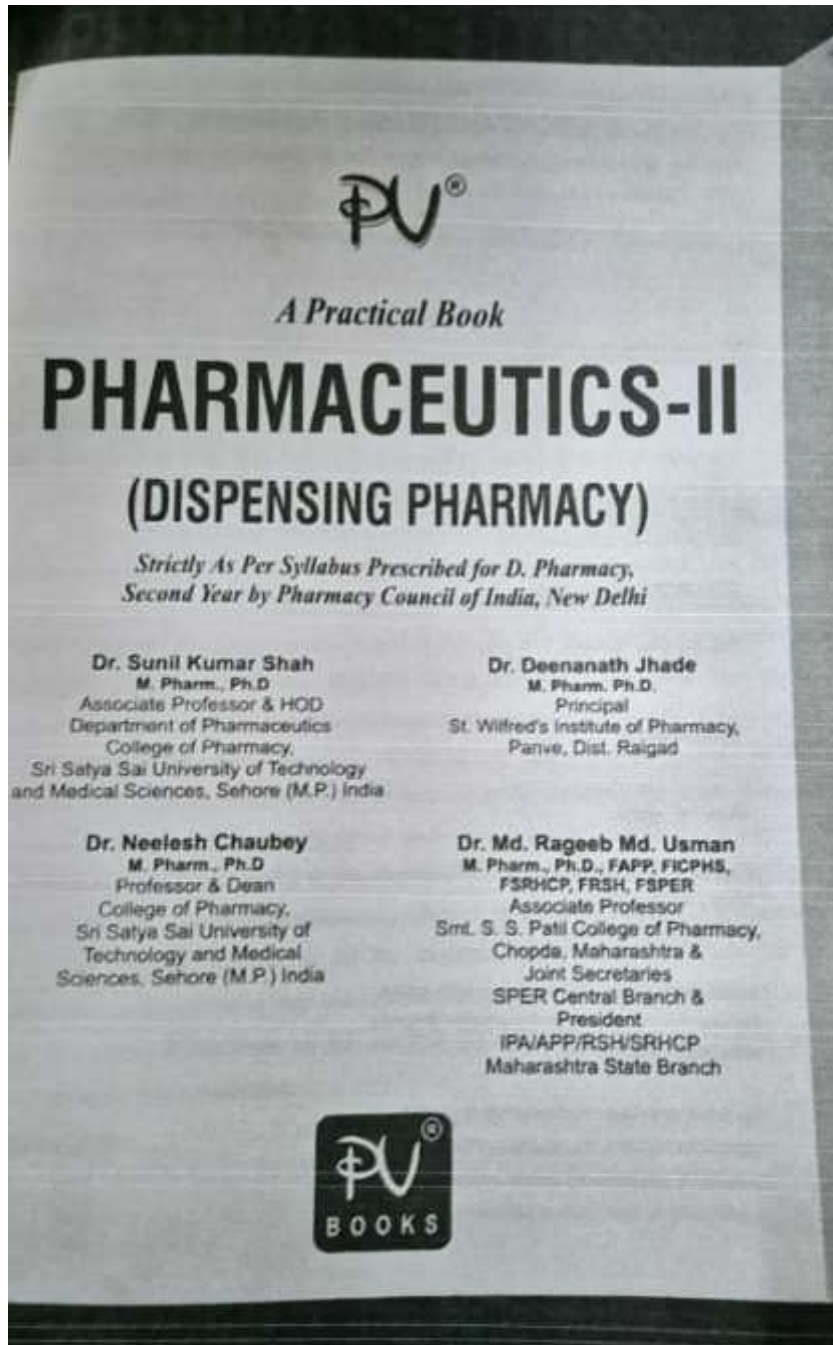


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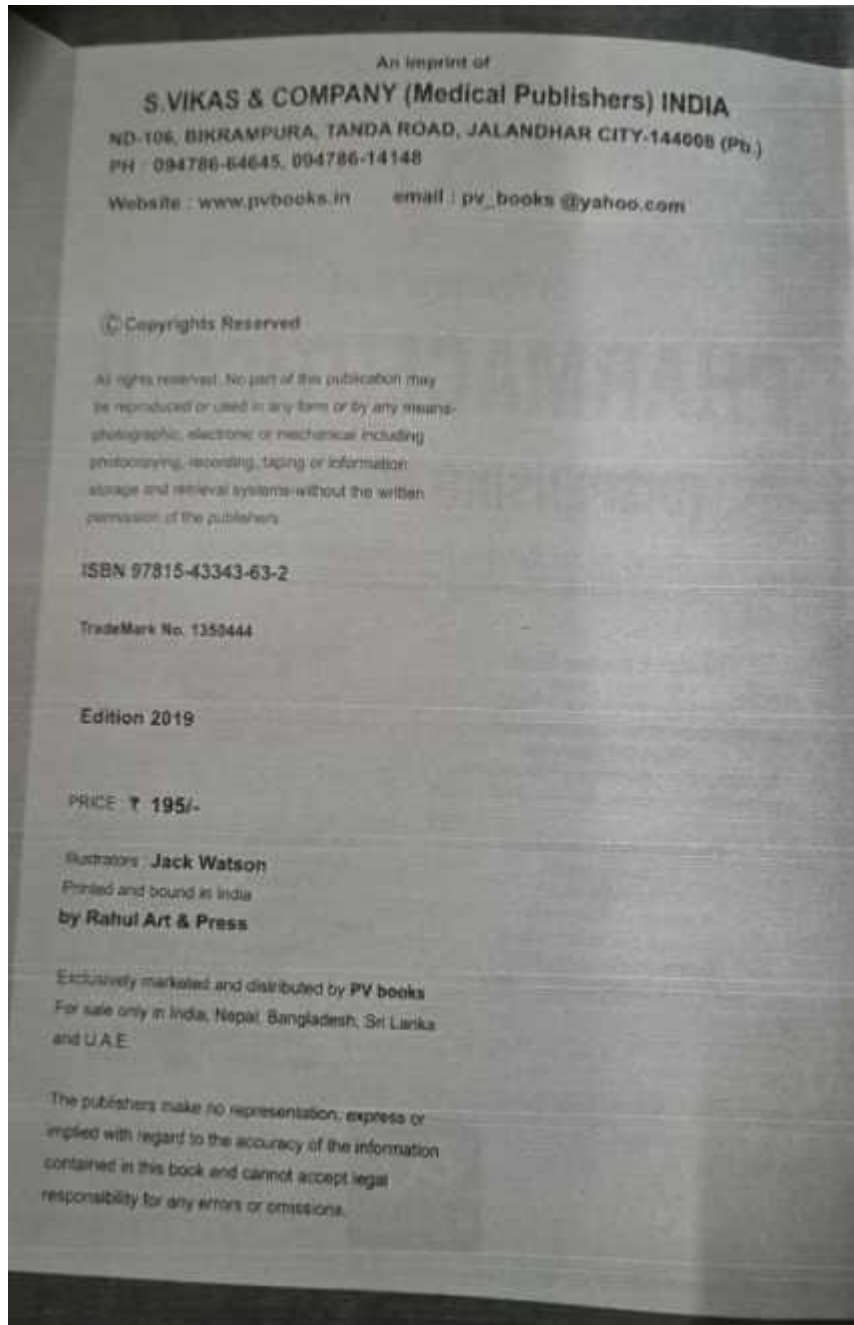


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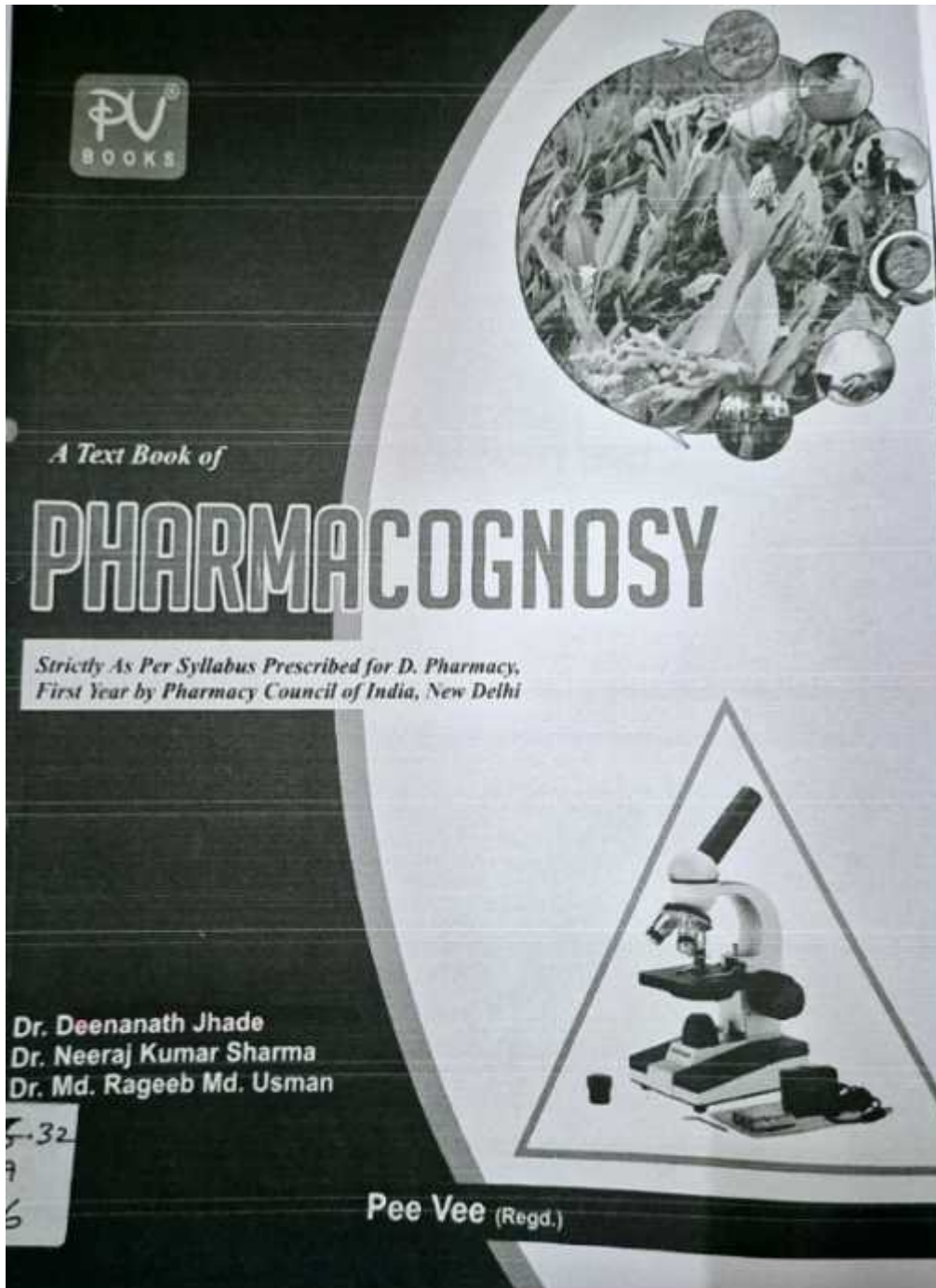


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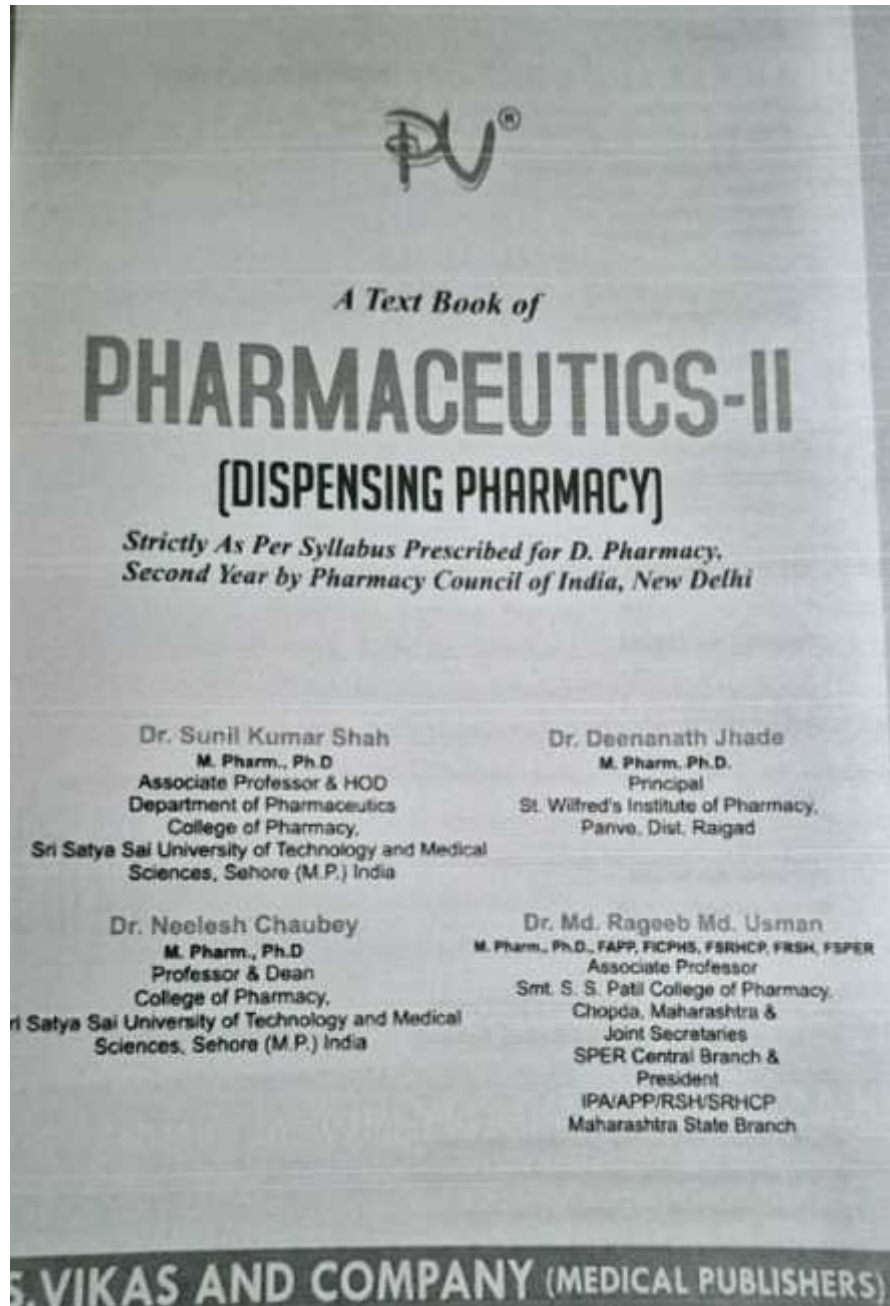


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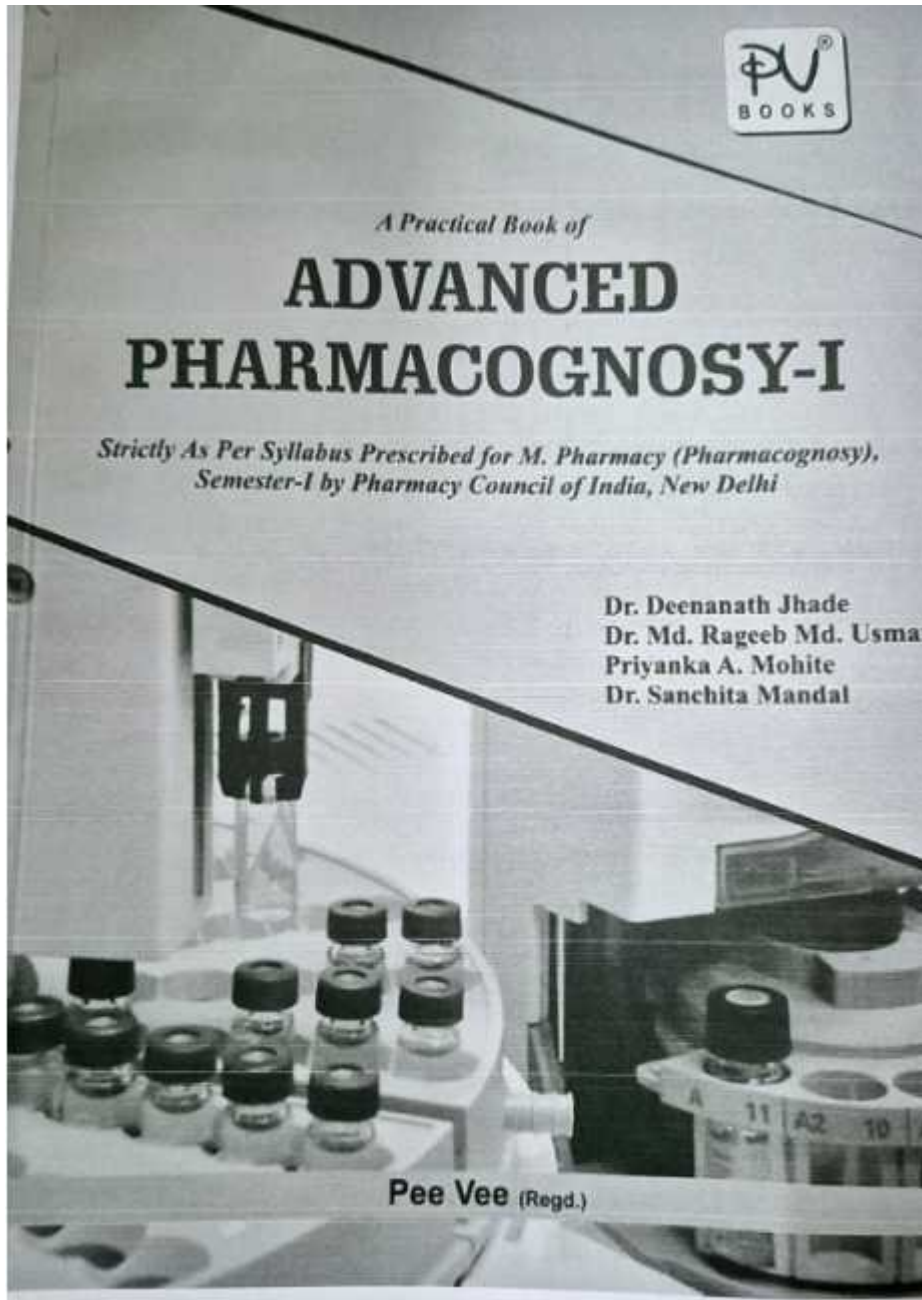


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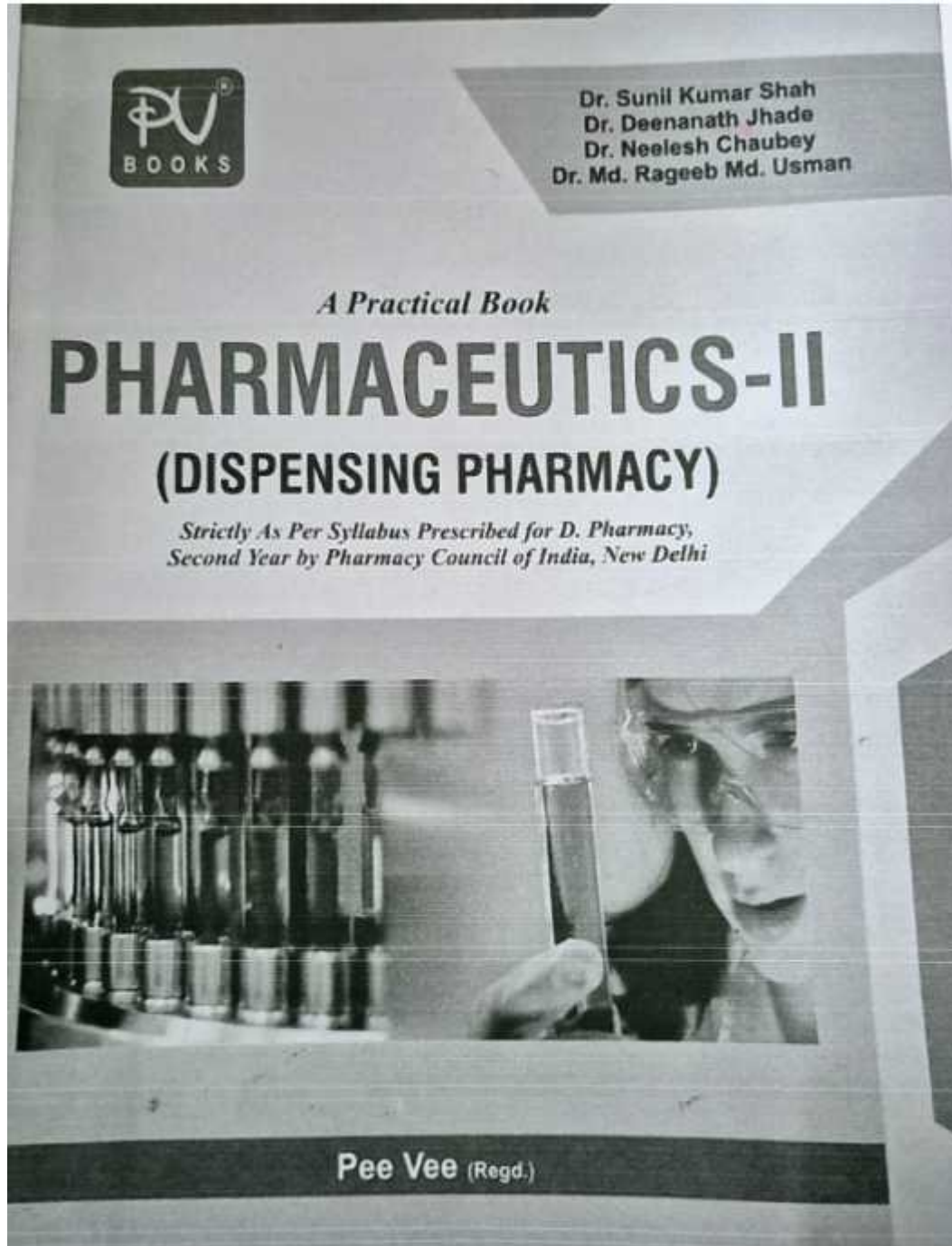


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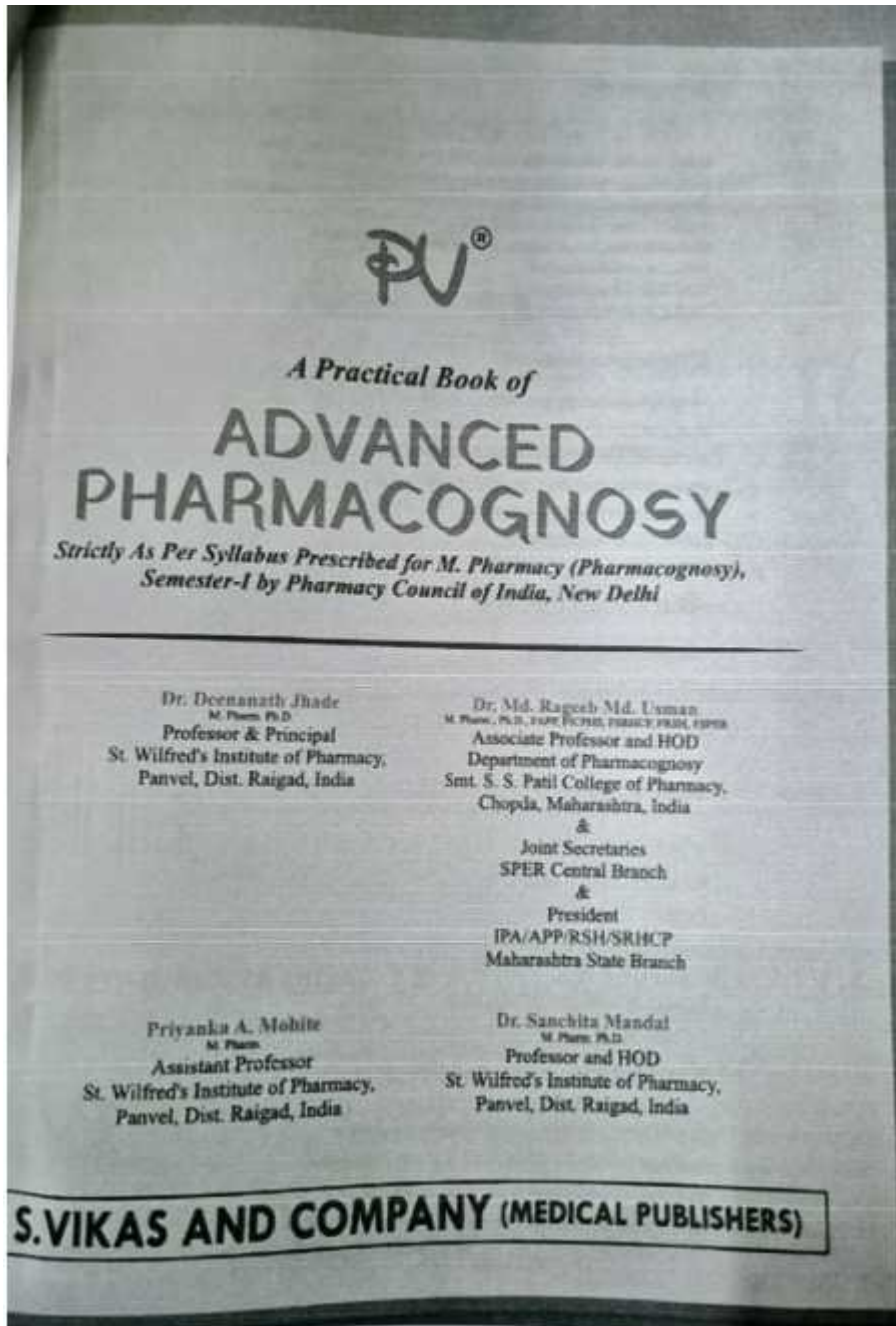


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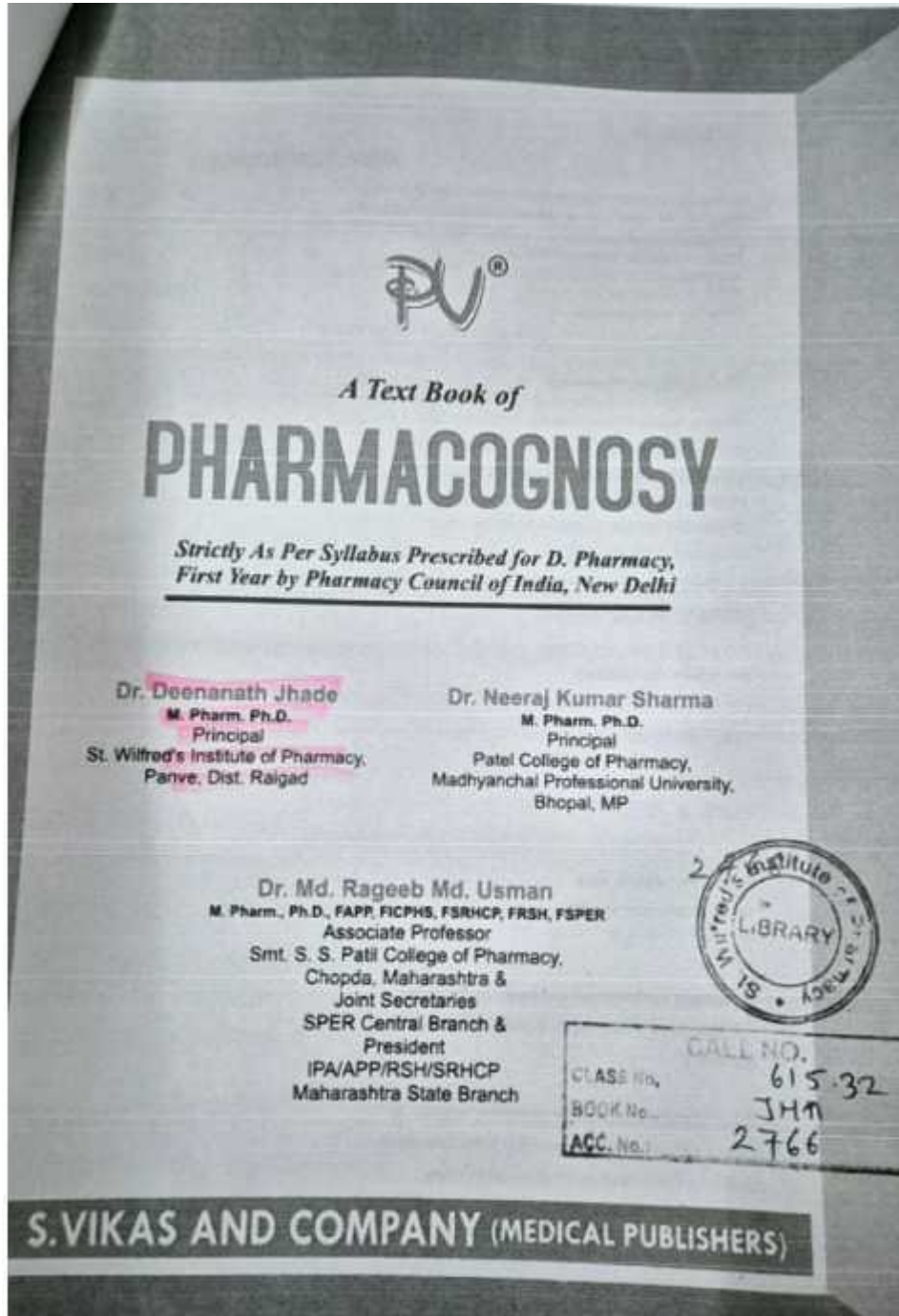


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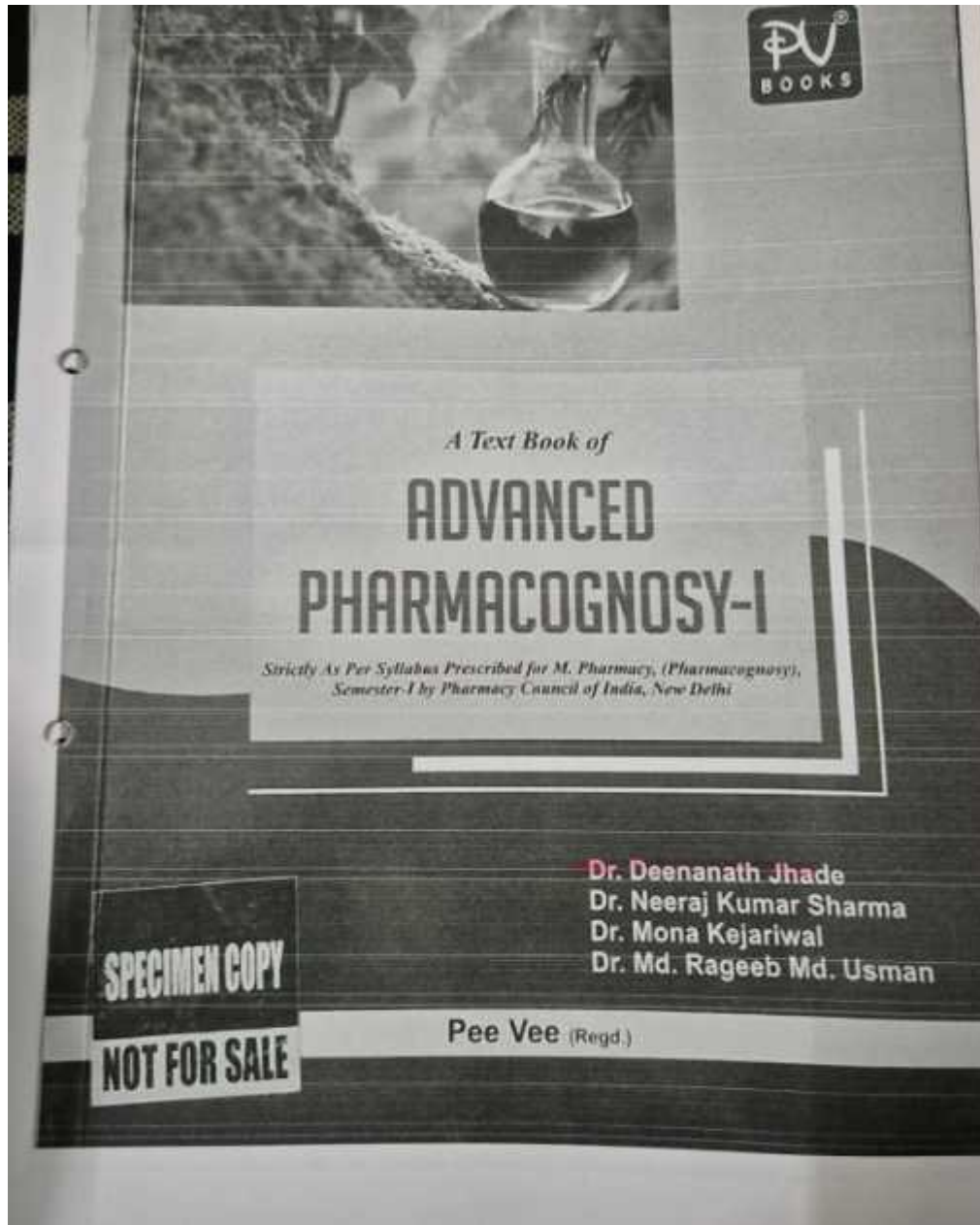


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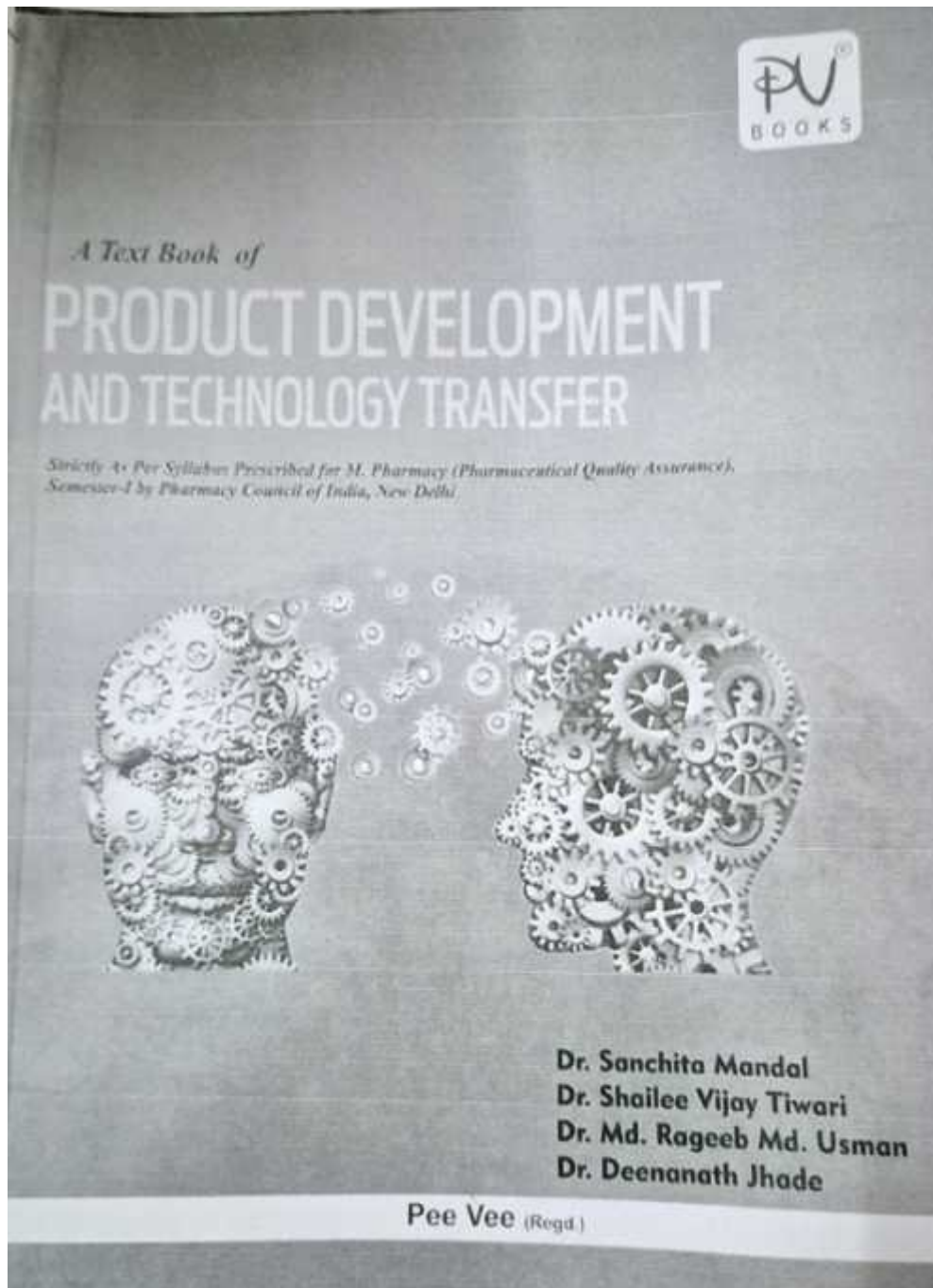


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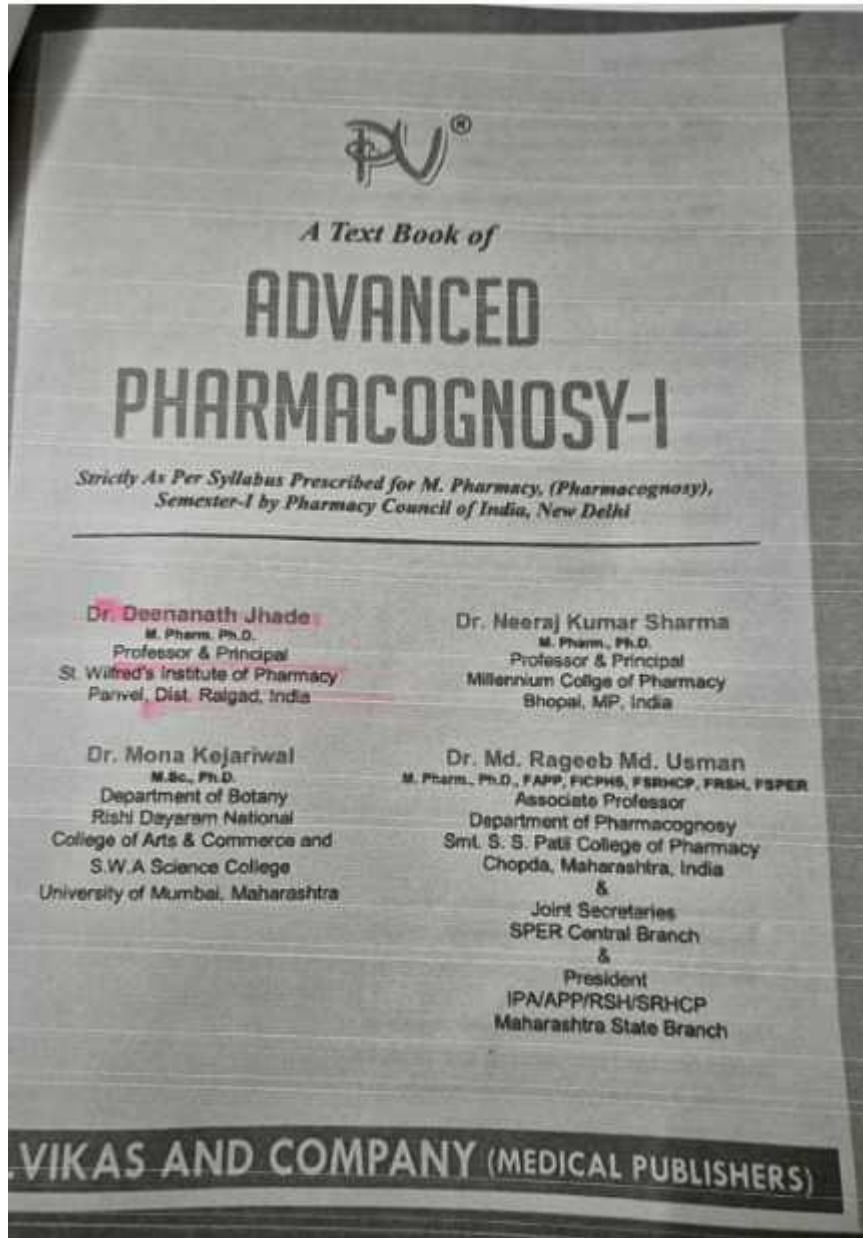


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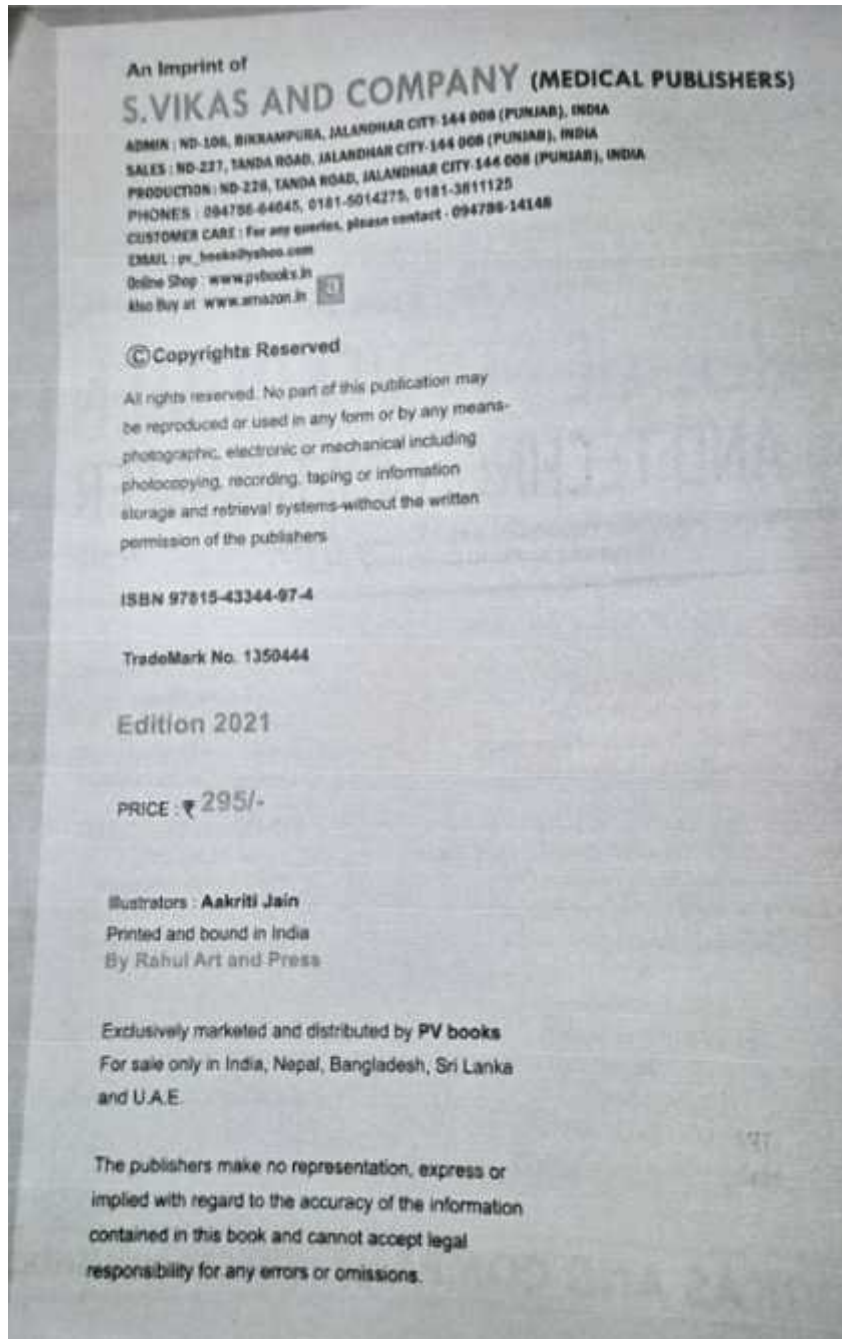


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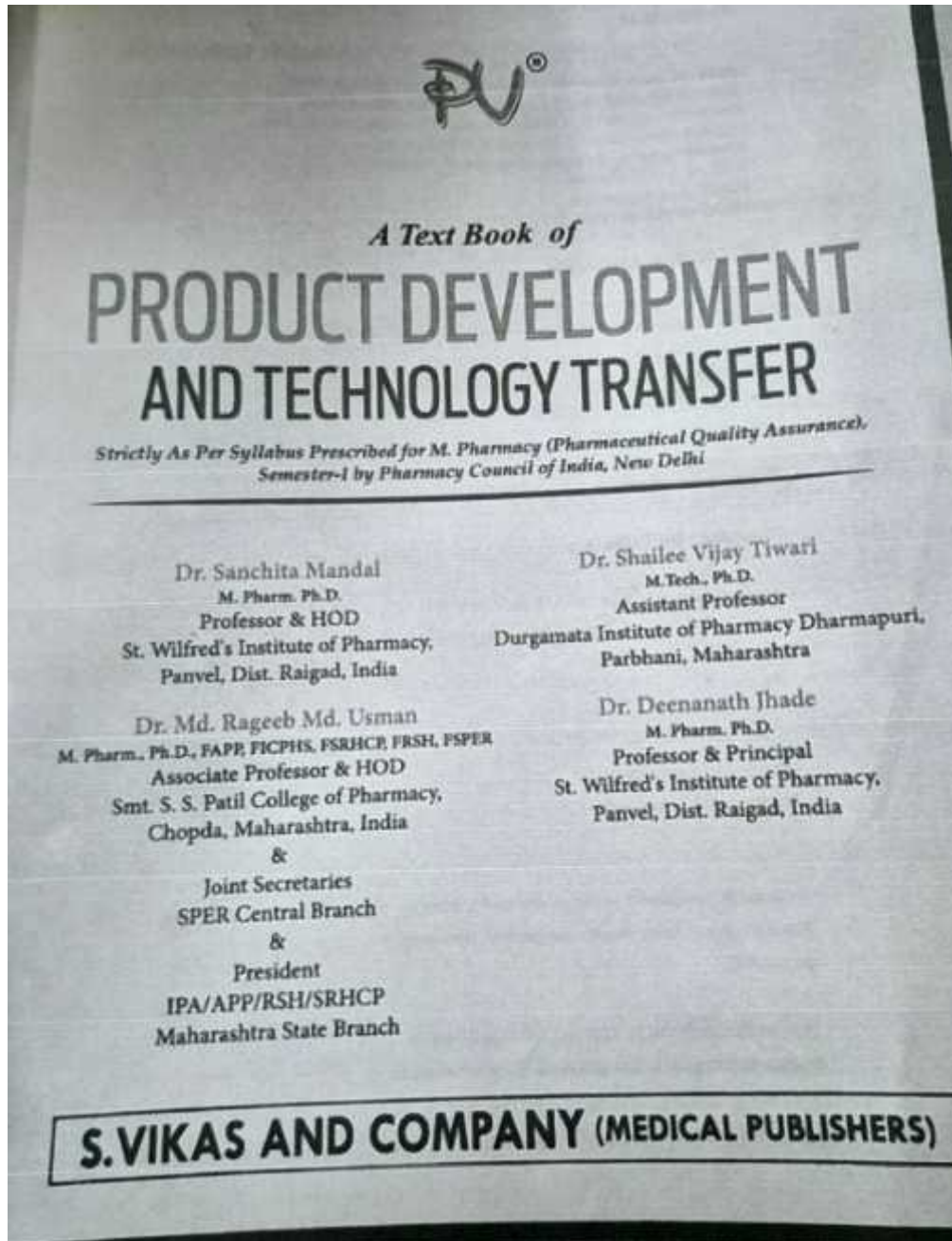


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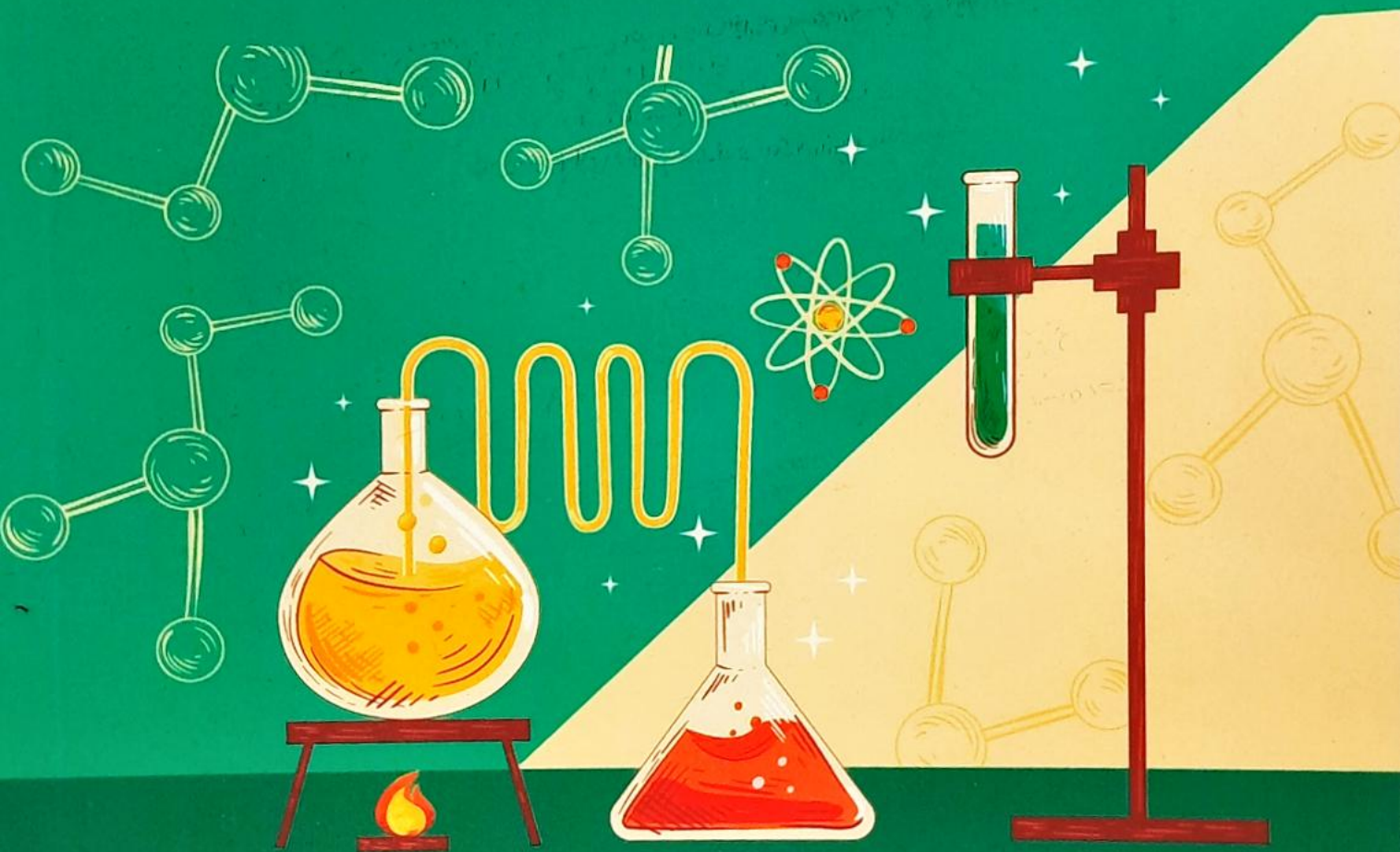
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PHARMACEUTICAL ORGANIC CHEMISTRY-II



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Publication

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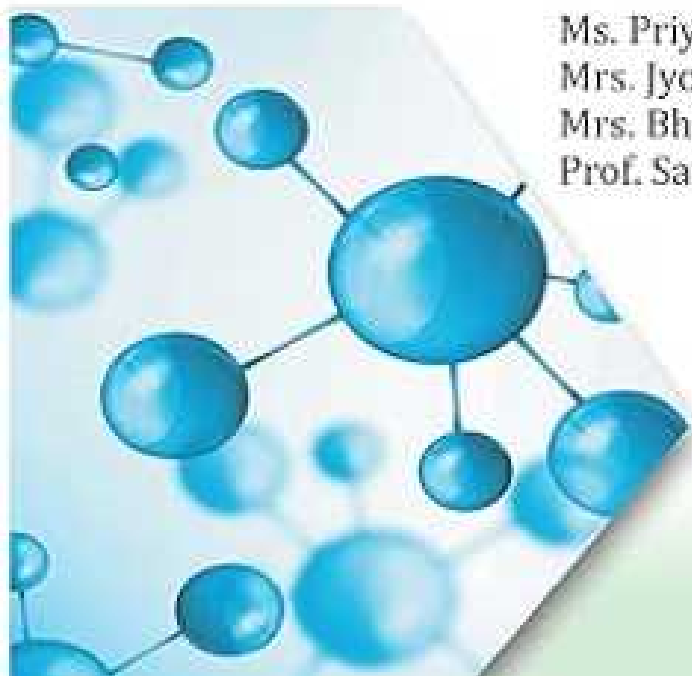
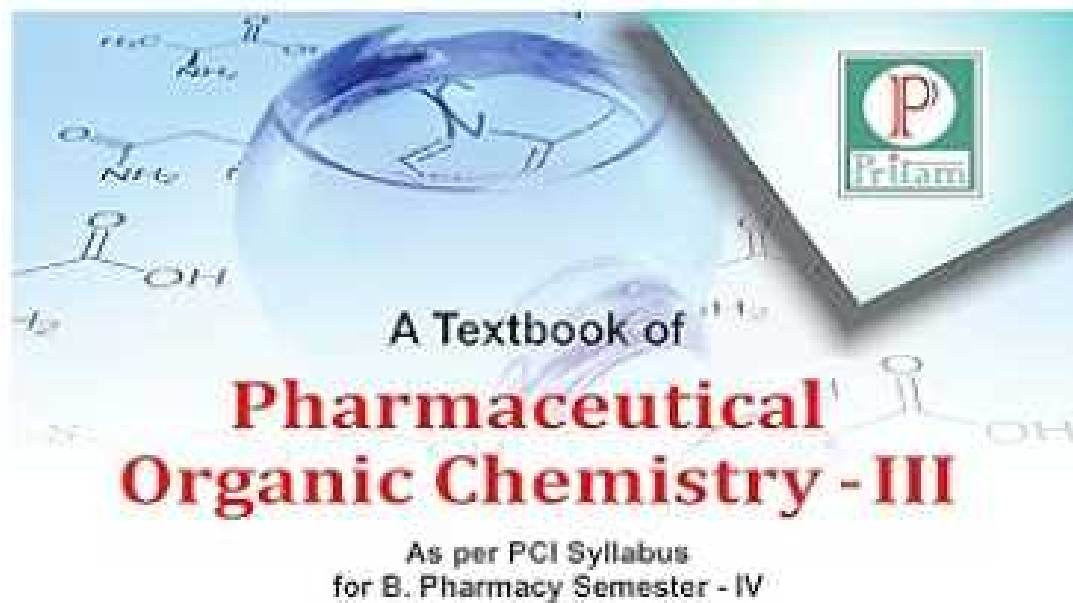


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