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Syllabus heading

IT, Space, Biotech and IPR

UPSC Civil Services (Main) Examination · GS III · General Studies Paper III

Awareness in the fields of IT, Space, Computers, robotics, nano-technology, bio-technology and issues relating to intellectual property rights.

Facts & figures for this syllabus heading.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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International Ip Index

India's Status; Ranked 42nd out of 55 countries in 2023 and 2024.; IP score stands at 38.6%, showing marginal improvement.; Reflects moderate performance in enforcement, innovation, and legal mechanisms.

Ipr Issues

Key Issues In India's Ipr Ecosystem; Low public awareness and limited understanding of IPR among stakeholders.; Weak enforcement of copyright laws and patent protections.; Exclusion of traditional knowledge from formal patenting systems.; Monopolization risks due to lack of safeguards in patent ownership.; Patent approval delays due to backlog and procedural inefficiencies.; Policy instability deters long-term...

Legal Framework On Ipr Patents Act, 1970 (amended)

Governs invention protection.; Designs Act, 2000: Protects original product designs.

Trade Marks Act, 1999

Provides for registration and protection of trademarks.; **Protection of Plant Varieties and Farmers' Rights Act, 2001**: Secures farmer innovation and biodiversity.

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