

Pilot Rule Book - Sapno Ki Udaan

1. Basic Eligibility (India DGCA)

- Minimum Age:
 - SPL: 16 years
 - PPL: 17 years
 - CPL: 18 years
- Medical Requirements: Class 2 (SPL/PPL), Class 1 (CPL/ATPL)
- Education: 10+2 with Physics & Math
- English Proficiency: ICAO Level 4 or higher

2. Licensing Types

License	Full Form	Scope
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SPL	Student Pilot License	Training only
PPL	Private Pilot License	Non-commercial
CPL	Commercial Pilot License	Paid flying
ATPL	Airline Transport Pilot License	Airline Captain

3. Flight Rules

- VFR (Visual Flight Rules): Clear weather, visual reference
- IFR (Instrument Flight Rules): Use of instruments, clouds/night/busy airspace

4. Communication Rules

- Use ICAO phraseology
- Say callsign at start & end
- Mandatory readbacks: clearances, altitudes, headings

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5. Airspace Classification (India)

Class A: IFR only (Above FL245)

Class C/D: Controlled around airports and cities

Class G: Uncontrolled airspace (rural areas)

6. Pre-Flight Requirements

- Weather, NOTAMs, Flight plan
- Aircraft inspection (walk-around)
- Documents: License, Medical, Aircraft papers, Journey log

7. Emergency Procedures

- Engine failure: Aviate Navigate Communicate
- Mayday call: 'MAYDAY MAYDAY MAYDAY...'
- Radio failure: Squawk 7600

8. Altimeter Settings

- QNH = Altitude above MSL
- QFE = Altitude above airfield
- 1013.25 hPa above transition altitude

9. Transponder Codes

7000 - VFR (default)

7600 - Radio Failure

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7700 - Emergency

7500 - Hijack

10. Flight Duty Limits (DGCA)

- Max/day: 8 hrs (single crew), 9 hrs (multi crew)
- Minimum rest: 10 hours

11. Important Documents

- DGCA Civil Aviation Requirements (CARs)
- AIP India
- ICAO Annexes (especially Annex 2)

12. Logging Hours

- Log each flight with date, time, instructor sign
- Required for license renewals/upgrades

13. Key Memory Aids

- IMSAFE: Illness, Medication, Stress, Alcohol, Fatigue, Emotion
- CIGAR: Controls, Instruments, Gas, Attitude, Run-up
- FREDA: Fuel, Radio, Engine, Direction, Altimeter