

Provided further that he shall not act as Pilot-in-Command of an aeroplane having an all-up weight exceeding 5,700 kgs. unless he has completed on that type of aeroplane not less than 300 hours of flight time as a Co-Pilot including not less than 100 hours of flight time as a Co-Pilot performing under the supervision of a Check Pilot the duties and functions of a Pilot-in-Command and has demonstrated his competency to fly as a Pilot-in-Command to the satisfaction of the Director General:

Provided that for all flights under Instrument Flight Rules either as Pilot-in-Command or as Co-Pilot, he shall have a current instrument rating:

Provided further that for all flights as Pilot-in-Command or as Co-Pilot, on transport aeroplanes having an all-up weight exceeding 5,700 kgs., he shall have undergone satisfactorily within the preceding 6 months of the intended flight appropriate proficiency checks in respect of that type of aircraft as required by the Director General.

SECTION F. AIRLINE TRANSPORT PILOT'S LICENCE (AEROPLANE)

1. Requirements for Issue of Licence.—An applicant for an Airline Transport Pilot's licence shall satisfy the following requirements:

(a) *Age.*—He shall be not less than 21 years of age on the date of application;

(b) *Medical Fitness.*—He shall produce on a prescribed proforma a certificate of physical fitness from an approved medical board after undergoing a medical examination during which he shall have established his medical fitness on the basis of compliance with the requirements as notified by the Director General under Rule 39B;

(c) *Knowledge.*—He shall pass an oral and written examination in the following subjects:

(i) *Air Regulations:* including general flight rules, air traffic control practices and procedures and regulations concerning operation of aircraft; search and rescue, rules concerning air-transit, customs and health, knowledge of aerodromes, flight information regions, control zones and airways communications and navigational facilities; International Conventions of Air Navigation, and International conferences and agreements;

(ii) *Air Navigation:* knowledge of theoretical and practical air navigation including knowledge of aeronautical maps and charts, projections, time, magnetism, compasses, navigational instruments, radio and radar aids visual and D.R. navigation, plotting and flight planning elementary knowledge of astro-navigation and use of nautical tables and Air Almanacs;

(iii) *Aviation Meteorology:* intermediate aviation meteorology with special emphasis on aviation hazards; knowledge of aviation weather codes and plotting; aircraft observation procedures; synoptic meteorology including simple analysis and interpretation of weather charts; elementary word climatology; detailed knowledge of Indian climatology and of meteorological procedures relating to aviation;

(iv) *Aircraft and Engines:* including elementary knowledge of aerodynamics and theory of flight, general principles and ele-