

aircraft during Instrument Flight Rules: Aerodromes, search and rescue, rules concerning air-transit customs and health and knowledge of communications and navigational facilities:

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

(iii) *Aviation Meteorology*.—elementary aviation meteorology including significance of aerodrome meteorological observations and warnings; basic knowledge of aviation weather codes and plotting; elementary synoptic meteorology including simple interpretation of weather charts; elementary knowledge of Indian climatology and of meteorological procedures relating to aviation;

(iv) *Signals (Practical)*.—transmission and interpretation of aural and visual signals;

(c) *Experience*.—He shall produce evidence of having satisfactorily completed as a pilot of an aeroplane

(i) not less than 150 hours of flight time as a Pilot-in-Command including not less than 50 hours of cross-country flight time;

(ii) not less than 40 hours of instrument time, of which not more than 20 hours shall be instrument ground time. A minimum of 5 hours of instrument time shall have been completed within a period of 6 months immediately preceding the date of application for the Instrument Rating;

(d) *Other Requirements*.—He shall be—

(i) a holder of a current pilot's licence for aeroplanes;

(ii) In possession of a current Certificate of Competency for operation of radio telephony apparatus on board an aircraft as issued by the Ministry of Transport and Communications under the Indian Wireless Telegraphy (Commercial Radio Operators Certificate of proficiency and licence to operate Wireless Telegraphy) Rules, 1954.

(e) *Skill*.—He shall have demonstrated to the satisfaction of the Examiner his competency to fly an aeroplane solely with the aid of instrument using full and limited instrument panel by undergoing the following flying test within a period of 6 months, immediately preceding the date of application for this rating:

Instrument Rating Flying Test shall include preflight action, all normal in-flight manoeuvres, recovery from unusual attitudes, airways and air traffic procedures, instrument approach procedures including descent through cloud using stipulated radar aids, missed approach, overshoot and emergencies;

For Multi-engine Aeroplanes the test shall also include manoeuvres carried out on asymmetric power with one or more engines inoperative and emergencies.

NOTE.—Stalling and spinning shall be carried out only on the types of aeroplanes approved and from the minimum altitude laid down by the Director General.

2. Validity.—The period of validity shall commence from the date of issue or renewal of the rating. The Instrument Rating shall be valid for a period not exceeding 12 months from the date of the satis-