



NOTIFICATION

भारतीय वायु सेना Indian Air Force

AIR FORCE COMMON ADMISSION TEST (AFCAT- 01/2020) FOR FLYING BRANCH AND GROUND DUTY (TECHNICAL AND NON-TECHNICAL) BRANCHES/ NCC SPECIAL ENTRY FOR COURSES COMMENCING IN JANUARY 2021

Date for submission of Online Applications: 01 DEC 19 to 30 DEC 19

(Indian Air Force career website <https://careerindianairforce.cdac.in> or <https://afcat.cdac.in>)

1. Indian Air Force invites Indian citizens (Men and Women) to be part of this elite force as Group A Gazetted Officers in Flying and Ground Duty (Technical and Non-Technical) branches. Online examination will be conducted on **22 Feb 20** and **23 Feb 20** for AFCAT exam.

2. Candidates are to ensure their eligibility for the examination, as follows:-

(a) Candidates applying for the examination should ensure that they fulfill all the eligibility conditions for admission to the examination. Their admission at all the stages of examination viz. Written examination and SSB test will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If on verification at any time before or after the written examination or AFSB Testing, it is found that they do not fulfil any of the eligibility conditions, their candidature will be cancelled by the IAF.

(b) **Mere issue of Admit card/Call up letter to the candidate will not imply that his/her candidature has been finally accepted by Indian Air Force.**

3. **Entry, Branch, Course Number and Vacancies.**

Entry	Branch	PC/SSC	Course Number	Vacancies*
AFCAT Entry	Flying	SSC for Men & Women	209/21F/SSC/M & W	SSC - 60
	Ground Duty (Technical) {Aeronautical Engineer Electronics and Aeronautical Engineer Mechanical}	PC for Men and Women SSC for Men & Women	208/21T/PC/M 208/21T/SSC/M & W	AE(L) : PC-40, SSC-26 AE(M): PC-23, SSC-16
	Ground Duty (Non-Technical) {Administration, Accts and Lgs}	PC for Men & SSC for Men & Women	208/21G/PC/M 208/21G/SSC/M & W	Admin:PC- 24, SSC-16 Accts: PC-14, SSC-10 Lgs : PC-12, SSC-08
NCC Special Entry	Flying	PC for Men & SSC for Men & Women	209/21F/PC/M 209/21F/SSC/M & W	10% seats out of CDSE vacancies for PC and 10% seats out of AFCAT vacancies for SSC

***Disclaimer.** Vacancies indicated are tentative and subject to change without notice. Actual intake would depend on organisational requirements, various cadre control mechanisms, availability of training slots and actual number of vacancies accruing in Jan 2021. No representation in this regard will be entertained.

Note: There is no intake conducted for Education and Meteorology branches for AFCAT 01/2020 for course commencing in January 2021.

4. **Type of Commission.**

(a) **Permanent Commission (PC) for Men.** Candidates joining as PC officers would continue to serve till the age of superannuation in their respective branches as per their rank.

(b) **Short Service Commission (SSC) for Men & Women.**

(i) The engagement period for **Flying Branch** (Men and Women) SSC Officers is fourteen years from the date of Commissioning (**Non extendable**).

(ii) The initial tenure for **Ground Duty (Technical & Non-Technical)** SSC Officers would be for a period of **ten years**. An extension of **four years** may be granted subject to **service requirements, availability of vacancies, willingness, suitability and merit**.

5. **Eligibility Conditions.**

(a) **Nationality.** Candidate must be a citizen of India.

(b) **Age.**

(i) **Flying Branch through AFCAT and NCC Special Entry:** 20 to 24 years as on 01 January 2021 i.e. born between 02 January 1997 to 01 January 2001 (both dates inclusive). Upper age limit for candidates holding valid and current Commercial Pilot License issued by DGCA (India) is relaxable upto 26 years i.e. born between 02 January 1995 to 01 July 2001 (both dates inclusive).

(ii) **Ground Duty (Technical & Non-Technical) Branch:** 20 to 26 years as on 01 January 2021 i.e. born between 02 January 1995 to 01 January 2001 (both dates inclusive).

(iii) **Marital Status:** Candidates below 25 years of age must be unmarried at the time of commencement of course. Widows/Widowers and divorcees (with or without encumbrances) below 25 years of age are also not eligible. A candidate who marries subsequent to the date of his application though successful at SSB or medical will not be eligible for training. A candidate who marries during the period of training shall be discharged and will be liable to refund all expenditure incurred on him by the Government. Married candidates above 25 years of age are eligible to apply but during training period they will neither be provided married accommodation nor can they live out with family.

(iv) The date of birth accepted by the IAF is that entered in the Matriculation or Secondary School Leaving Certificate or in a certificate recognised by an Indian University as equivalent to Matriculation or in an extract from a Register of Matriculates maintained by a University, the extract must be certified by the proper authority of the

University or in the Higher Secondary or an equivalent examination certificate. No other document related to age like horoscopes, affidavits, birth extracts from Municipal Corporation, service records and likewise will be accepted.

(v) Sometimes the Matriculation/ Higher Secondary Examination Certificate does not show the date of birth, or only shows the age by completed years or completed years and months. In such cases a candidate must possess a self-attested/ certified copy of a certificate from the Headmaster/ Principal of the Institution from where he/she passed the Matriculation/ Higher Secondary Examination showing the date of his/her birth or exact age as recorded in the Admission Register of the Institution.

(vi) Candidates should note that only the Date of Birth as recorded in the Matriculation/Higher Secondary Examination Certificate or an equivalent certificate on the date of submission of application will be accepted by the IAF and no subsequent request for its change will be considered or granted.

(vii) **The candidates should exercise due care while entering their Date of Birth. If on verification at any subsequent stage, variation is found in their date of birth from the one entered in their Matriculation or equivalent examination certificate, will render them disqualified.**

(c) **Educational Qualifications.**

(i) **Flying Branch.** Candidates should have mandatorily passed with a **minimum** of 60% marks each in Maths and Physics at 10+2 level **and**

(a) Graduation with minimum three years degree course in any discipline from a recognized University with a minimum of 60% marks or equivalent.

OR

(b) BE/B Tech degree (Four years course) from a recognised University with a minimum of 60% marks or equivalent.

OR

(c) Candidates who have cleared Section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India from a recognised University with a minimum of 60% marks or equivalent.

(ii) **Ground Duty (Technical) Branch.**

(aa) **Aeronautical Engineer (Electronics) {AE (L)}**. Candidates with a minimum of 60% marks each in Physics and Mathematics at 10+2 level and a minimum of four years degree graduation/integrated post-graduation qualification in Engineering/ Technology from recognized University **OR** cleared Sections A and B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India or Graduate membership examination of the Institution of Electronics and Telecommunication Engineers by actual studies with a minimum of 60% marks or equivalent in the following disciplines:-

- (aaa) Communication Engineering.
- (aab) Computer Engineering/Technology.
- (aac) Computer Engineering & Application.
- (aad) Computer Science and Engineering/Technology.
- (aae) Electrical and Computer Engineering.
- (aaf) Electrical and Electronics Engineering.

- (aag) Electrical Engineering.
- (aah) Electronics Engineering/ Technology.
- (aaj) Electronics Science and Engineering.
- (aak) Electronics.
- (aal) Electronics and Communication Engineering.
- (aam) Electronics and Computer Science.
- (aan) Electronics and/or Telecommunication Engineering.
- (aao) Electronics and/or Telecommunication Engineering (Microwave).
- (aap) Electronics and Computer Engineering.
- (aaq) Electronics Communication and Instrumentation Engineering. (aar) Electronics Instrument & Control.
- (aas) Electronics Instrument & Control Engineering.
- (aat) Instrumentation & Control Engineering.
- (aau) Instrument & Control Engineering.
- (aav) Information Technology.

(ab) **Aeronautical Engineer (Mechanical) {AE (M)}**. Candidates with a minimum of 60% marks each in Physics and Mathematics at 10+2 level **and** a **minimum** of four years degree graduation/integrated post-graduation qualification in Engineering/Technology from recognised University **OR** cleared Sections A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India by actual studies with a minimum of 60% marks or equivalent in the following disciplines:-

- (aaa) Aerospace Engineering.
- (aab) Aeronautical Engineering.
- (aac) Aircraft Maintenance Engineering.
- (aad) Mechanical Engineering.
- (aae) Mechanical Engineering and Automation.
- (aaf) Mechanical Engineering (Production).
- (aag) Mechanical Engineering (Repair and Maintenance).
- (aah) Mechatronics.
- (aaj) Industrial Engineering.

(iii) **Ground Duty (Non-Technical) Branches.**

(aa) **Administration**. Graduate Degree (Minimum three years degree course) in any discipline from a recognised university with a **minimum** of 60% marks or equivalent or cleared section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India from a recognised university with a minimum of 60% marks or equivalent.

(ab) **Logistics**. Graduate Degree (Minimum three years degree course) in any discipline from a recognised university with a **minimum** of 60% marks or equivalent or cleared section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India from a recognised university with a minimum of 60% marks or equivalent.

(ac) **Accounts**. Graduate Degree (Minimum three years degree course) in Commerce discipline from a recognised university with a **minimum** of 60% marks or equivalent.

(iv) **NCC Special Entry (Flying Branch)**. NCC Air Wing Senior Division 'C' certificate acquired on or after 01 Dec 17 is mandatory. Candidates should have mandatorily passed with a **minimum** of 60% marks each in Maths and Physics at 10+2. Graduates with minimum three years degree course in any discipline from a recognized University with a minimum of 60% marks or equivalent. **OR** BE/B Tech degree (Four years course) from a recognised University with a minimum of 60% marks or equivalent **OR** Candidates who have cleared Section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India from a recognised University with a minimum of 60% marks or equivalent.

(v) **Note.**

(aa) **LLB qualified and integrated/ dual degree candidates may get an opportunity to be employed on legal duties of the IAF (after commissioning).**

(ab) In case the candidates are awarded grades/ CGPA instead of marks, **the conversion of grades/ CGPA to percentage of marks** would be based on the procedure certified by the University from where they have obtained the degree. In case the University does not have any scheme for converting CGPA to percentage conversion certificate, CGPA will be converted into 10 points scale and multiplied by 10 to get equivalent percentage.

(ac) Candidates who are studying in the final year/ semester Degree course and are yet to pass the final year degree examination can also apply provided candidate should not have any present backlog and should have secured a **minimum** of 60% marks up to the last semester/year for which results have been declared up to the time of submission of application. They are required to submit proof of passing the Degree Examination by **15 Nov 2020** and no request for extending this date will be entertained on the grounds of late conduct of basic qualifying University Examination, delay in declaration of results or any other ground whatsoever.

(ad) Candidates who have failed the Computerised Pilot Selection System (CPSS)/ Pilot Aptitude Battery Test (PABT) in an earlier attempt or a Flight Cadet suspended from flying training at Air Force Academy will not be eligible to apply in **Flying Branch**.

(d) Candidates who were admitted to an earlier course at the National Defence Academy, Indian Military Academy, Air Force Academy, Indian Naval Academy, Officers' Training Academy, Chennai and Officer's Training Academy Gaya but were removed on grounds of indiscipline are ineligible to apply.

(e) Candidates who are debarred by the Ministry of Defence from holding any type of commission in the Defence Services shall not be eligible for AFCAT and if admitted, their candidature will be cancelled.

(f) Candidates who have been convicted on criminal charges and those who are still stuck in a criminal case are not eligible to apply.

6. **Physical and Medical Standards.** Guidelines with regard to physical and medical standards for candidates are as provided in the **Appendix 'A'** to the notification.

7. **How to Apply.** Aspirants for IAF are required to apply online by using the link <https://careerindianairforce.cdac.in>, or <https://afcat.cdac.in>. Aadhaar Card is mandatory for online registration. Detailed instructions for filling in the online application form are appended below:-

(a) Applicants need to exercise utmost care while filling in the online application. In case any information is found to be incorrect, the candidature is liable to be cancelled at any stage of the selection process. **Please verify the correctness of information entered in all the fields before proceeding with the “Make Payment” option. Applicants will not be able to edit the previous details entered after the selection of “Course Preferences” step and after the “Make Payment” step.**

(b) **If an applicant has submitted more than one application, only the latest submitted application form against a particular Aadhaar Number, will be considered for issue of Admit Card. However, the fee deposited while filling additional applications will not be refundable.**

(c) Applicants will be required to complete the process of Online Application form which will have the following sequences. Details in tabular form are given in Para 7 (h) below:-

- (i) Click **“CANDIDATE LOGIN”** on the Home page- leads to AFCAT Sign-in.
- (ii) In the next page, applicants to click **“NOT YET REGISTERED? REGISTER HERE”**.
- (iii) Sign Up: Creation of Log-in ID and applicant will receive a password in his/her registered email id.
- (iv) After successful registration, sign-in with registered email id and system generated password.
- (v) Reset Password- Log-Out (candidates must remember their login ID and password for future use during the examination process).
- (vi) Fresh Log-in.
- (vii) Selection of Entry: **“AFCAT”**; **“NCC SPECIAL ENTRY FOR FLYING BRANCH”**.
- (viii) Click **“INSTRUCTIONS”**. Read Instructions carefully.
- (ix) Acknowledgement of having read and understood instructions- Check box to proceed to next stage.

- (x) Click **“APPLICATION FORM FILLING”**
 - (aa) **Personal Information**. Fill in details.
Click **“SAVE AND CONTINUE”** to proceed to next stage
 - (ab) **Qualification Details**. Fill in details.
Click **“SAVE AND CONTINUE”** to proceed to next stage
 - (ac) **Course Preference**. Fill in details.
Click **“SAVE AND CONTINUE”** to proceed to next stage
 - (ad) **Communication Details**. Fill in details.
Click **“SAVE AND CONTINUE”** to proceed to next stage
 - (ae) **Upload Documents**. Upload Photo, Signature & Thumb Impression (size of each jpg/ jpeg file to be between 10 and 50 kb). Application with inappropriate images will be considered invalid and the candidature will be rejected along with other counterfeit entries, whenever detected at any stage of the selection process.
 - (af) **Exam City Selection**. Select from drop-down menu
 - (ag) **Declaration**
Click **“SAVE AND CONTINUE”** to proceed to next stage
- (xi) Click **“MAKE PAYMENT”**- Online (applicable only for AFCAT)
- (xii) Click **“PAYMENT STATUS”** to view whether payment is successful. If Registration Number is displayed, it implies that the payment is successful.
- (xiii) **For AFCAT Candidates Only**: After **03 Feb 2020** click **“DOWNLOAD ADMIT CARD”** to download your Admit Card from the website <https://afcat.cdac.in> and you will also receive admit card on your registered email ID. If the candidate does not receive his/her admit card in their registered email id or is not able to download the same from the mentioned website, he/she is required to enquire from AFCAT Query Cell at C-DAC, Pune. (**Phone Nos: 020-25503105 or 020-25503106**). E-Mail queries may be addressed to afcatcell@cdac.in.

(d) While filling in the online application, the applicant must ensure that he/ she meets all the eligibility conditions including the educational qualification which must conform to the guidelines/ norms of the relevant educational board/ UGC, as reviewed and updated from time to time. The applicants are advised to keep the relevant documents ready, as details are to be filled in as per matriculation and other educational certificates. The educational qualifications filled by the applicant should correspond to the Entry Level Qualification (ELQ) as given in Para 5 (c) (i) to (iii) of this notification. If any of the eligibility conditions is not met, the candidature is liable to be rejected at any stage during the selection process and the onus of the same would be on the candidate himself/ herself. With regard to Integrated degree programmes, the following are the prevailing UGC guidelines:-

(i) **Integrated/ Dual Degree.** As per the guiding principles laid down by UGC, if the Integrated/ Dual Degree Programmes intend to offer two separate degrees with an option for interim exit or lateral entry, the duration of the Integrated/ Dual Degree Programme must not be less than the duration equal to the sum total of the prescribed duration of the two degrees that are being combined in the programme. All such programmes should carry the nomenclature of Integrated/ Dual Degree (Name of the first degree) - (Name of the final degree); both the degrees awarded under the programme should be individually and separately recognised as equivalent to corresponding degrees and not as one single integrated degree).

(ii) **Integrated Single Degree.** If the Integrated Programme intends to offer a single degree without permission to exit and lateral entry, the programme duration may be relaxed by not more than 25% of the sum total of the prescribed duration of the two degrees that are being combined to make the single integrated degree.

(e) Before filling in the online application, an applicant should have the following scanned images saved as jpg/ jpeg files (size of each file to be between 10 and 50 kb)

- (i) Recent passport size colour photograph
- (ii) Signature
- (iii) Thumb impression (left thumb for male applicants and right thumb for female applicants) - created by pressing on ink stamp pad and then on plain blank paper

(f) While filling in the online application form, applicants are required to click **“SAVE AND CONTINUE”** to complete the process of each part. If the mandatory fields (marked by a red asterisk (*)) are not filled, the **“SUBMIT”** button would not be enabled for the applicants to click and proceed to the next part of the application form.

(g) Once the “Course Preference” stage is saved, applicants will not be able to edit/ modify previous data in the “Personal Information” and “Qualification details” pages. Only the “Communication Details” page can be edited, if an applicant wishes to do so. After the “Make Payment” step, applicants will be able to check the “Payment Status” as well as “Preview Application”. However, no further changes or correction is possible in the online application form. Thereafter, the only option for an applicant, if an application is to be amended, is to re-register with a different email id and fill the online application form anew. The fee paid, including on any additional online application form(s), will not be refundable.

(h) **Examination fee for AFCAT Entry.** After filling in the online application form, **the examination fee of Rs. 250/- (non-refundable) for AFCAT entry (not applicable for NCC special entry) may be paid online** through the **‘Make Payment’** step on the main menu of the online application. No cash or cheque or demand draft (DD) will be accepted towards payment of examination fee. The examination fee can be paid using credit/ debit cards/ net banking through the payment gateway. Applicants are advised to follow the instructions/ steps given on the payment gateway, and also print/keep the transaction details for their records. After confirmation from bank that the payment is received, the “Payment Status” will display “Registration Number” which the candidate may note down for future correspondence. Simultaneously, the candidate will receive a confirmatory sms/ e-mail. This will be followed by

Admit Card (with the Hall Ticket Number) which a candidate will receive on his/her registered email ID and which is also downloadable from his/her registered email ID.

(j) Detailed instructions on filling in the online application form:

S. No	Description	
1. Sign up Format		
	Full Name	As per 10th Matriculation Passing Certificate- all in alphabet of max 50 characters
	Father's Name	In alphabet of maximum 50 characters
	Mother's Name	In alphabet of maximum 50 characters
	Email id	email id (to be used for Sign-in)
	Nationality	Indian
	Mobile Number	10 digits
	Secret Question	Select one from options
	Secret Answer	In alphabet of maximum 50 characters
	CAPTCHA	Enter alphanumeric text shown
2. Personal Information		
(a)	Type of Entry	Applicant has to choose entry to IAF through one of the options (i) AFCAT (ii) NCC SPECIAL ENTRY FOR FLYING BRANCH
(b)	Candidate's Name (As per 10 th /matriculation passing certificate)	These fields will be auto filled from the signup data entered by the applicant.
(c)	Candidate's Father's Name (As per 10 th /matriculation passing certificate)	
(d)	Candidate's Mother's Name (As per 10 th /matriculation passing certificate)	
(e)	Email Address	
(f)	Secondary Email Address	Email id other than which the applicant has signed-up with
(g)	Nationality	
(h)	Mobile Number	
(i)	Candidate's Visible Identification Mark	In alphabet of maximum 50 characters
(j)	CPSS/PABT Status	Applicant has to choose Passed/ Failed/ Not appeared; If passed fill the details from (i) to (iv)
(i)	CPSS/PABT Batch Number	Numeric Value
(ii)	CPSS/PABT Date of Passing	DD/MMM/YYYY

(iii)	CPSS/PABT Chest No.	Numeric Value
(iv)	CPSS/PABT attended at which Air Force Selection Board	Choose one from the list Dehradun, Gandhinagar, Mysore, Varanasi
(k)	Do you have a current valid Commercial Pilot License issued by DGCA?	Select 'Yes' or 'No'
(l)	Are you serving Airman of IAF?	Select 'Yes' or 'No' If Yes, fill the details from (i) to (iv)
(i)	Select Rank in IAF	Choose one from the list
(ii)	Service Number	Alphanumeric
(iii)	Current Posted Unit	Alphanumeric
(iv)	Select Command	Choose one from the list
(m)	Select Gender	Male or Female
(n)	Select Marital Status	Married or Unmarried
(o)	Date of Birth	DD/MMM/YYYY
(p)	Confirm your Date of Birth	DD/MMM/YYYY
3. Qualification Details		
(a)	Education Level	Choose one from the list 10 + 2 + Graduation 10 + 2 + Graduation + Post Graduation Diploma + Graduation 10 + 2 + Integrated Post Graduation Diploma + Integrated Post Graduation Diploma + Graduation + Post Graduation
(b)	Select Graduation Level	Choose one from the list, based on above selection Graduate Options A Graduate Options B Graduate Options C Graduate Options D
(c)	Select Qualification Degree	For Group 'A', 'B', 'D' Choose from - AMIE / ASI / IETE - Bachelor of Engineering - Bachelor of Technology For Option 'C' enter B.Com etc.
(d)	Course Duration (in years)	Numeric (4) four years for 'A', 'B', 'D' Numeric (3) three years for 'C'
(e)	Name of College/Institute	In alphabet of maximum 50 characters
(f)	Name of University	In alphabet of maximum 50 characters
(g)	Date/ Expected date of obtaining the Graduation	DD/MMM/YYYY
(h)	Enter Aggregate/ Gross Percentage	Numeric 2 digit

(i)	Do you have Current backlog?	Select 'Yes' or 'No'
(j)	10+2 / Higher Secondary School Details	
(i)	Enter Aggregate/ Gross Percentage as per your 10+2 / Higher Secondary School Mark Sheet	Numeric 2 digit
(ii)	Enter Physics Percentage as per your 10+2 / Higher Secondary School Mark Sheet. Enter 0 (Zero), if not applicable.	Numeric 2 digit
(iii)	Enter Mathematics Percentage as per your 10+2 / Higher Secondary School Mark Sheet. Enter 0 (Zero), if not applicable.	Numeric 2 digit
4. Course Preference		
(a)	Courses	<p>Applicant to select from the list of courses</p> <ul style="list-style-type: none"> - Flying - Ground Duty (Technical) - Ground Duty (Non Technical) <p>A list of courses would be displayed for which a candidate is eligible as per the education qualification and age. Candidates are to mandatorily choose all courses as per their own preference. The registration process would not proceed further till the time all courses have been selected by the candidate. Candidates eligible for technical branch have to additionally select EKT paper as per their preference.</p> <p>Note: IAF reserves the right to allocate branches as per their suitability and availability of vacancies irrespective of the choices/options applied for by the candidates.</p>
5. NCC		
(a)	NCC Air Wing "C" Certificate	If applicant is joining through NCC
(i)	Serial No.	Number
(ii)	Name of NCC Unit	In alphabet of maximum 50 characters
(iii)	Year	Numeric 4 digit (YYYY)
6. AFSB/ SSB appeared Candidates		Applicant has to choose Passed/ Failed/ Not appeared; If Passed fill details from (a) to (e)
(a)	Batch No.	Number
(b)	Enter Place Of	Alphabets

	Appearing	
(c)	No of Days at AFSB	From (DD/MMM/YYYY) to (DD/MMM/YYYY)
7. Source of AFCAT information		
(a)	Source	List of information Newspaper Employment News
8. GATE		
(a)	Year of appearing	Numeric 4 digit
(b)	GATE Score	Numeric 2 digit
9. Communication Details		
(a) Permanent Address		
(i)	Enter Full Address	Alphabet and Numbers of maximum 100 characters
(ii)	Select State/Union Territories	Choose any one from list of states displayed
(iii)	Select City	Choose any one from list of cities displayed
(iv)	Pin Code	Numeric 6 digits
(v)	Nearest Railway Station	Alphabet of maximum 50 characters
(vi)	Landline Number	STD code and Landline Numeric 11 digit
(vii)	Aadhaar Card Number	12 digit numeric number of the applicant as appearing in Aadhaar card issued by UIDAI.
(viii)	Check if Permanent Address is same as Correspondence Address.	If ticked, the Permanent address details are populated in the Correspondence address.
(b) Correspondence Address		
(i)	Full Address	In alphabet and numbers of maximum 250 characters
(ii)	State	Choose any one from list displayed
(iii)	City	Choose any one from list displayed
(iv)	Pin Code	Numeric 6 digits
(v)	Nearest Railway Station	In alphabet of maximum 50 characters
10. Upload Documents		Size of each file is to be between 10 KB and 50KB
(a)	Photograph	Upload un-attested recent passport size colour photograph (front portrait without headgear, except for Sikhs)
(b)	Signature	Upload scanned image of own signature in JPEG/ JPG format
(c)	Thumb Impression	Upload scanned impression of the thumb in JPEG/ JPG format
(d)	Declaration by the candidate	Check
11. Select Exam City		5 choices based on preference from the list of exam cities as mentioned in Para 8 (f)

(k) **Applicants are strongly advised to apply online well in time to avoid the last minute rush leading to website/ server slowdown.**

(l) **Serving Airmen.** Serving Airmen are required to apply like other applicants. In addition, they would have to apply as per the service format given in AFO 11/ 2015 through service channel.

(m) **NOC for Government Employees.** The applicants who are already in Government Service including serving in the Armed Forces, Government-owned industrial undertakings or other similar organizations also need to apply only after obtaining necessary permission from their departments concerned and they are required to produce NOC at the time of AFSB testing, failing which they will be routed back without being tested. NOC is mandatory irrespective of the candidate being a permanent, temporary or Contractual employee.

(n) **Permission of Employer.** Candidates should note that in case communication is received from their employer to withhold permission to the candidates who have applied for/ appearing in the examination, their candidature is liable to be cancelled. In case the employer refuse to provide NOC for any reason, that refusal is to be taken in writing and submitted to AFSB.

(o) Applicants are not required to submit any certificate, along with their applications, in support of their claims regarding age, educational qualifications, etc. However, certain mandatory documents are required to be carried in original at exam centres, the details of which is enumerated in para 8(e).

(p) **Contact/ Reference Details during Registration & Communication.** While filling in the application form, the applicants must ensure that they provide their valid and active e-mail IDs as the IAF would use electronic mode of communication while contacting them at different stages throughout the selection process. On successful submission of online application form, the candidate will receive a confirmatory e-mail on their registered e-mail ID. As such, all communication to the IAF should invariably contain the following particulars without which no request would be entertained.

- (i) Branch, Course Number and Year of Examination.
- (ii) Transaction Number (for queries on payment).
- (ii) Registration Number (as given in Payment Status & Admit Card).
- (iii) Hall Ticket Number (as given in Admit Card).
- (iv) Name of Applicant (in full and in block letters).

8. **AFCAT.**

(a) **Scheme of Online Examination.** All applicants whose applications are submitted by due date will be called for AFCAT at one of the examination centres on **either 22 February 2020 (Saturday) or 23 February 2020 (Sunday).** It is mandatory for the candidates opting for Ground Duty (Technical) branch to appear in both AFCAT as well as Engineering Knowledge Test (EKT).

(i) **Exam Schedule.** The AFCAT (and EKT) will be conducted in two days as per the following schedule:-

Activity	22 Feb 20 (Day 1)		23 Feb 20 (Day 2)	
	1st Shift	2nd Shift	1st Shift	2nd Shift
Candidate Reporting Time	08:00 hrs	12:30 hrs	08:00 hrs	12:30 hrs
Verification of Admit Card & ID Proof, Biometrics, Photo/ Thumb Impression/ Sign on Attendance Sheet & Candidate Seating in Exam Hall	08:00- 09:30 hrs	12:30- 14:00 hrs	08:00- 09:30 hrs	12:30-14:00 hrs
Reading of Instructions by Candidates	09:30- 09:45 hrs	14:00- 14:15 hrs	09:30- 09:45 hrs	14:00- 14:15 hrs
AFCAT	09:45- 11:45 hrs	14:15 -16:15 hrs	09:45- 11:45 hrs	14:15 -16:15 hrs
Reading of Instructions by Candidates for EKT	NA	16:15 -16:30 hrs	NA	16:15 -16:30 hrs
EKT	NA	16:30 -17:15 hrs	NA	16:30 -17:15 hrs

Note: Candidates will not be permitted to enter the exam centre, **under any circumstance, after the pre-exam verification process has commenced at 08:00 hrs for shift-I and 12:30 hrs for shift-II.**

(ii) **Syllabus.** The subjects, the time allowed and the maximum marks allotted to each subject will be as follows:-

Exam	Subject	Duration	No. of Questions	Max Marks
AFCAT	General Awareness, Verbal Ability in English, Numerical Ability and Reasoning and Military Aptitude Test	02 Hours	100	300
EKT [For Candidates with one of the choices as (Technical) Branch]	Mechanical, Computer Science and Electrical & Electronics	45 Minutes	50	150

(iii) The Online examination will consist of objective type questions and will be in English only for both AFCAT and EKT.

(iv) **Marking Scheme** is as follows:-

(aa) Three marks will be awarded for every correct answer.

(ab) One mark will be deducted for every incorrect answer.

(ac) No marks for unattempted questions.

(v) Questions will be based on the metric system of Weights & Measures wherever applicable.

(vi) Candidates are required to appear for the Online AFCAT in person. Under no circumstance will any scribe or another candidate be allowed to appear/ assist in the exam.

(vii) Air Force has the discretion to fix qualifying marks in any or all the subjects of the examination.

(b) **Standard and Syllabus of the Examination:**

(i) **Syllabus.**

(aa) **English.** Comprehension, Error Detection, Sentence Completion/ Filling in of correct word, Synonyms, Antonyms and Testing of Vocabulary, Idioms and Phrases.

(ab) **General Awareness.** History, Geography, Civics, Politics, Current Affairs, Environment, Basic Science, Defence, Art, Culture, Sports, etc.

(ac) **Numerical Ability.** Decimal Fraction, Time and Work, Average, Profit & Loss, Percentage, Ratio & Proportion and Simple Interest, Time & Distance (Trains/Boats & Streams).

(ad) **Reasoning and Military Aptitude Test.** Verbal Skills and Spatial Ability.

(ii) **Standard.** The standard of Numerical Ability Questions will be of Matriculation level. The standard of questions in other subjects will be of graduation level (Indian University).

(c) **Practice Test.** An online Practice Test (for AFCAT & EKT) is available on the IAF website <https://careerindianairforce.cdac.in> or <https://afcat.cdac.in>.

(d) **Instructions for e-Admit Card and AFCAT Written Examination.**

(i) The eligible candidates shall be issued with an e-Admit Card three weeks before the date of the examination. The e-Admit Card will be sent to the registered email IDs and will also be available at the website www.careerindianairforce.cdac.in for all candidates who successfully submitted their online application. No Admit Card will be sent by post. To download the e-Admit Card, a candidate should have his/her **Username and Password**. The candidate will be solely responsible for downloading his/ her e-Admit Card.

(ii) If the candidate does not receive his/her admit card in their registered email id or is not able to download the same from the mentioned website or if there is any error / discrepancy / anomaly in the e-admit card, he/she must inquire from AFCAT Query Cell at C-DAC, Pune immediately. **(Phone Nos. 020-25503105 or 020-25503106)**. E-Mail queries may be addressed to afcatcell@cdac.in . No candidate will be allowed to appear in the examination unless he/ she holds a downloaded e-Admit Card for the examination.

(iii) The courses to which the candidates are admitted will be according to their eligibility as per age and educational qualifications and the course preferences given by them. The candidates should note that their admission to the examination will be purely provisional, based on the information given by them in the Application Form. On verification, in case the IAF finds that the information disclosed by the candidate is not correct or is false, his or her candidature will be treated as cancelled.

(iv) Candidates are to ensure that the personal information in the front side of the e-Admit card are as per the details provided by them during the registration process. They are also advised to read the instructions given at the rear of the e-Admit card beforehand.

(v) The decision of the IAF shall be final with regard to the acceptance of a candidate's application, based on the given information.

(e) **Special Instructions to Candidates for Online Examination.**

(i) **Items to be Brought Inside Examination Hall.** The following items are to be carried to the exam centre:-

(aa) e-Admit Card for AFCAT **01/2020**.

(ab) Candidate's Aadhaar Card.

(ac) Another valid photo identity card such as PAN card/ passport/ driving licence/ voter identity card/ college identity card or any other valid photo identity proof, with details of name, father's name, date of birth and a clear photograph.

(ad) Two passport size colour photographs- same as the photo uploaded during online application (to be pasted, not stapled on Admit Card next to the printed photo and on attendance sheet at the exam centre).

(ae) Ballpoint Pen (Blue or Black) for signing on the attendance sheet and rough work.

(ii) **Items not permitted inside Examination Hall.** Candidates are not allowed to carry any textual material, calculators, docupen, slide rulers, log tables, electronic watches with facilities of calculator, mobile phones, blue tooth, pager or any other digital device except the admit card, identity proof inside the AFCAT- C-DAC exam centre premises. If the candidate is in possession of any of the above mentioned items, it will be construed as an attempt to using unfair means and his/her examination will be cancelled. The item will be confiscated and he/ she will also be debarred from future AFCAT examinations. Candidates are advised not to bring any valuable/costly items to the Examination Centres, as safe keeping of the same cannot be assured. IAF will not be responsible for any loss in this regard.

(iii) **Malpractice.** If any candidate resorts to the use of unfair means during the exam, he/she will be withdrawn from the examination and his/her candidature will be cancelled.

(iv) **Conduct in Examination Hall.** The candidates are expected to conduct themselves in a dignified manner during the examination or while interacting with the staff on duty. If any candidate is involved in act(s) of indiscipline at the exam centre (before, during or after the exam), he/ she will be withdrawn from the examination and his/ her candidature will be cancelled.

(v) **Instructions for examination.** Question paper will be made available to candidates only during the online examination. The request of candidates to provide copies of question paper will not be entertained until the completion of entire process and preparation of final merit list post AFSB testing and Medical examination.

(f) **Locations for AFCAT 01/2020:** Agartala, Agra, Ajmer, Ahmedabad, Aizawl, Alwar, Aligarh, Allahabad, Ambala, Amritsar, Aurangabad, Bareilly, Behrampur (Odisha), Belagavi, Bengaluru, Bhagalpur, Bhilai, Bhopal, Bhubaneswar, Bhuji, Bikaner, Bilaspur, Chandigarh, Chennai, Coimbatore, Dehradun, Delhi and NCR, Dhanbad, Diu, Dibrugarh, Durgapur, Faridabad, Ganganagar, Gaya, Ghaziabad, Gorakhpur, Guntur, Guwahati, Gwalior, Haldwani, Hissar, Hyderabad, Imphal, Indore, Itanagar, Jabalpur, Jaipur, Jalandhar, Jalpaigudi, Jammu, Jamshedpur, Jhansi, Jodhpur, Jorhat, Kannur, Kanpur, Kochi, Kohima, Kolhapur, Kolkata, Kota, Kurukshetra, Leh, Lucknow, Ludhiana, Madurai, Mangalore, Mathura, Meerut, Mumbai, Mysore, Nagpur, Nasik, Noida, Panaji, Pathankot, Patna, Port Blair, Puducherry, Pune, Rajkot, Ranchi, Rohtak, Rourkee, Sagar, Sambalpur, Shillong, Shimla, Silchar, Solapur, Sonapat, Srinagar, Thane, Thiruvananthapuram, Thrissur, Tirunelveli, Tirupati, Udaipur, Vadodara, Varanasi, Vellore, Vijayawada, Visakhapatnam, Warangal, Yamunanagar.

(g) **Allotment of Centres.** As far as possible, candidates will be allotted centres as per their choice. **Candidates should note that no request for change of centre/date/slot will**

be entertained. Therefore candidates should exercise due care before deciding date/slot of his/her choice for the centre for the examination before filling the form.

9. **Air Force Selection Board (AFSB).**

(a) For AFCAT entry, IAF shall prepare a list of candidates who obtain the minimum qualifying marks in the Online AFCAT as fixed by the IAF in their discretion. Candidates who are declared successful in the Online AFCAT will be called at one of the Air Force Selection Boards. Candidates who have applied for NCC Special Entry will be directly called for AFSB testing at one of the AFSB centres. The AFSB centres are at Dehradun (1 AFSB), Mysuru (2 AFSB), Gandhinagar (3 AFSB) and Varanasi (4 AFSB). Candidates who opt for flying branch can only opt for Dehradun, Mysore and Varanasi. **Candidates who have qualified in the written exam are required to choose AFSB date and venue by themselves on the website <https://careerindianairforce.cdac.in> or <https://afcat.cdac.in> in order to generate call- up letter for AFSB interview.**

(b) **Physical Fitness.** Candidates are advised to be physically fit when you report for SSB in order to be able to undergo various tests at AFSB. You should aim to achieve an ability to run 01 mile (1.6 kms) in 10 minutes, 10 push ups and 3 chin ups.

(c) **Tattoos.** Permanent body tattoos are only permitted on inner face of forearm (from inside of elbow to the wrist) and on the reverse side of palm/ back (dorsal) side of hand. Permanent body tattoos on any other part of the body are not acceptable. Tribes with tattoo marks on the face or body as per their existing customs and traditions will be permitted on a case to case basis.

(d) **Narcotics.** Use/possession of narcotics is banned. Candidate may be tested for presence of drugs in the body during Medicals and subsequently during training/ service career as an officer. If candidate is found to be using/ in possession of narcotics during any time of training/service career, candidate would be debarred from joining the Indian Air Force or be removed from service if already joined.

(e) The testing at AFSB would consist of three stages as given below:-

(i) **Stage-I.** Officer Intelligence Rating Test along with Picture Perception and discussion test will be conducted on the first day. Stage-I test is a screening test and only those who qualify would undergo subsequent testing. All Stage-I qualified candidates would be subjected to document check to ascertain their eligibility for the branches applied for. Candidates who either do not qualify in Stage-I or do not meet the required eligibility criteria would be sent back on the first day itself.

(ii) **Stage-II.** Psychological test will be conducted on Day 1 (Afternoon) and the Group Tests and Interview would commence after document check for the next five days.

(iii) **For Flying Branch.** Computerised Pilot Selection System (CPSS) would be administered to recommended candidates only. This is once in a lifetime test. **Candidates who have failed the CPSS/PABT in an earlier attempt or a Flight Cadet suspended from flying training at Air Force Academy will not be eligible.**

(f) **Change of Interview Dates.** Request for change of AFSB interview date should be avoided. Requests for postponing interview may be considered under genuine circumstances

and that too if it is administratively convenient for which **Air Headquarters** will be the sole deciding authority. Such requests should be sent to AFSB Centre from where the call for AFSB interview has been received through **e-mail only**.

(g) Candidates will appear before the AFSB and undergo the test at their own risk and will not be entitled to claim any compensation or other relief from Government in the event of any injury which they may sustain in the course of or as a result of any of the tests given to them at the Selection Board whether due to the negligence of any person or otherwise. Candidates will be required to sign an indemnity bond to this effect on the form appended to the application.

(h) **Travel Allowance (TA)**. To and fro travelling fare by the shortest route of AC-III Tier/AC Chair Car or actual normal bus fare will be re-imbursed to the candidates appearing in AFSB for the first time. Change of address, if any, must be intimated to the Board well before arrival. You shall furnish the railway ticket/ bus ticket (hard copy) to the Board, failing which no TA will be paid. For all other modes of travel, TA will be admissible as per the government authorized rules. **No TA is admissible, if you have already appeared for the same type of entry at any of the Selection Boards. Candidates are to carry cancelled Cheque for Online Payment.**

(j) **Documents for AFSB**. Candidates are required to bring the following relevant documents, which will be checked during AFSB testing:-

(i) AFCAT Admit Card.

(ii) Original Matriculation/ Secondary School Certificate and Mark sheets issued by CBSE/ ICSE/ State Board. No other certificate will be accepted for verification of Date of Birth.

(iii) Original Marks Sheet & Certificate of 10+2 (issued by the relevant Board).

(iv) Original/ Provisional Graduation Degree/ Post Graduation Degree Certificates and Mark Sheet of each year/ semester issued by University - only for verification of educational qualifications to check eligibility for the course. Provisional Certificate issued by college Principal is **not** acceptable. However, Provisional Degree Certificate issued by the University is acceptable.

(v) In case of final year/ semester students, a Certificate from the College Principal, clearly mentioning the following aspects annotated with proper stamp and seal of the Institution is required:-

(aa) Name of the College.

(ab) Name of the University.

(ac) Discipline in which Graduation/ Post Graduation obtained.

(ad) Aggregate Percentage.

(ae) Likely Date of Declaration of Final Result (in DD/MM/YYYY Format).

(vi) Two attested photocopies of each of the above mentioned certificates.

(vii) Original NCC Certificate (if applicable).

(viii) NOC from employers for candidates working in Central/ State Govt. or Public Sector Undertakings.

(ix) Original valid Commercial Pilots' License, issued by DGCA, if applicable.

(x) Inbound Railway Ticket/ Bus Tickets. (For refund of Travelling Allowance)

(xi) Candidates are also advised to bring twenty copies of recent passport size colour photographs taken in light coloured clothes against white background for documentation.

(k) Candidates not in possession of the above documents or those who do not meet the eligibility conditions, should not report to the AFSB, as they will not be accepted for the tests and will be routed back without travelling allowances.

(l) Candidates recommended by the IAF for interview by the Air Force Selection Board (AFSB) who have changed their addresses subsequent to the submission of their application for the examination should immediately after announcement of the result of the written part of the examination notify the changed address, along with an unstamped self-addressed envelope, also to JDPO-3 (A) Air HQs. 'J' Block, Room No. 17, Opp. Vayu Bhawan, Motilal Nehru Marg, New Delhi-110 106. Failure to comply with this instruction will deprive the candidate of any claim to consideration in the event of his/her not receiving the letter for interview by the AFSB.

10. **Final Merit List.** To be acceptable, candidates should secure the minimum qualifying marks separately in written examination and AFSB test as fixed by the IAF. Candidates will be placed in the order of merit on the basis of the total marks secured by them in the written examination and in the AFSB tests. The form and manner of communication of the result of the examination to individual candidates shall be decided by the IAF in their discretion. **10% of the vacancies are reserved for NCC Air Wing Senior Division 'C' certificate holders in Ground Duty (Technical and Non-technical) Branches.** Allotment of PC/ SSC in Ground Duty (Technical and Non-technical) Branches would be based on number of vacancies, performance in the selection process and the choice given by the candidates.

11. **Training.** Candidates recommended by the AFSBs and found medically fit by appropriate medical establishment are detailed for training strictly on the basis of merit and availability of vacancies in various branches/ sub branches.

(a) **Date and Duration of Training.** Training is scheduled to commence in the first week of **Jan 2021** for all courses. The approximate duration of training for Flying and Ground Duty (Technical) Branches is **74 weeks** and that of Ground Duty (Non-technical) Branches is **52 weeks** at Air Force Training Establishments.

(b) **Physical Conditioning.** Prospective candidates are advised to keep themselves in good physical condition to adapt to physical training at AFA which encompasses running, swimming, rope climbing and other forms of physical training/conditioning in which they would undergo mandatory tests during training. Candidates are advised to keep themselves in good physical condition by following the under mentioned routine:-

- (i) Running: up to 4 Km. in 15 minutes.
- (ii) Skipping.
- (iii) Push ups & Sit-ups: Minimum 20 each.
- (iv) Chin ups: 08.
- (v) Rope Climbing: 3 to 4 metres.
- (vi) Swimming (25 m).

(c) After admission to Air Force Academy, candidates will not be considered for any other commission. They will not be permitted to appear for any interview or examination after they

have been finally selected for training in AFA. No request for withdrawal of candidature received from a candidate after he/she has submitted his/her application will be entertained under any circumstance. PAN Card, Aadhaar card and account in SBI/ Nationalized Bank is mandatory at the time of joining Air Force Academy (AFA).

12. **Facilitation Counter for Guidance of Candidates.**

(i) For any Query related to Conduct of Online Examination, registration process, admit cards, candidates may contact AFCAT Cell on **020-25503105 or 020-25503106**. E-Mail queries may be addressed to afcatcell@cdac.in.

(ii) For all queries regarding Eligibility, allotment of AFSB centres, date of AFSB interview, merit list, Joining Instructions, and any other relevant information regarding selection process, candidates may contact on **011-23010231** Extn: **7610** or visit website **<https://careerindianairforce.cdac.in> or <https://afcat.cdac.in> or Toll free number 1800-11-2448**

(iii) **Timings.** Telephonic query timings are from **0930 hrs to 1300 hrs and 1400 hrs to 1700 hrs** (Monday to Friday, except closed holidays).

13. **Disclaimer.** Information given in the notification and on the websites are guidelines only. In case of any ambiguity, the existing policies, rules and regulations of IAF/ Govt. of India will be final. **Terms and conditions for selection given in the notification are guidelines only and are subject to change without notice.**

14. **Statutory Warning.** Selection in the Indian Air Force is fair and merit based. Attempt to influence the selection process at any stage is liable to lead to termination of candidature or initiation of service and legal action against the concerned individual.



भारतीय वायु सेना Indian Air Force

MEDICAL STANDARDS FOR AIR FORCE COMMON ADMISSION ONLINE TEST (AFCAT- 01/2020) FOR FLYING BRANCH AND GROUND DUTY (TECHNICAL AND NON-TECHNICAL) BRANCHES/ NCC SPECIAL ENTRY FOR COURSES COMMENCING IN JANUARY 2021

General Instructions

1. In this section the assessment of candidates for commissioning through AFCAT for flying and ground duty branches /NCC special entry into the IAF is considered.
2. The basic requirements of medical fitness are essentially the same for all branches, except for aircrew in whom the parameters for visual acuity, anthropometry and certain other physical standards are more stringent. A candidate will not be assessed physically fit unless the examination as a whole shows that he is physically and mentally capable of withstanding severe physical and mental strain for prolonged periods in any climate in any part of the world.
3. The medical standards spelt out pertain to initial entry medical standards. If, however, any disease or disability is detected during the training phase, which will have a bearing on the flight cadets subsequent physical fitness and medical category; such cases will be referred expeditiously to IAM (for aircrew)/ specialists of MH (for non-aircrew) under intimation to the office of DGMS (Air)-Med-7. At IAM, if the disease or disability is considered of a permanent nature, an early decision for the cadet to continue in the service/ branch/ stream is to be taken. Specific waivers of DGMS (Air), if asked for, must carry full justification in accordance with relevant Para of IAP 4303 4th edition (revised).

General Medical and Surgical Assessment

4. Every candidate to be fit for the Air Force must conform to the minimum standards laid down in the succeeding paragraphs. The general build should be well developed and proportionate.
5. The residual effects of fractures/ old injuries are to be assessed for any functional limitation. If there is no effect on function, the candidate can be assessed fit. Cases of old fractures of spine are unfit. Any residual deformity of spine or compression of a vertebra will be cause for rejection. Injuries involving the trunks of the larger nerves, resulting in loss of function, or scarring, which cause pain or cramps, indicate unsuitability for employment in flying duties. The presence of large or multiple keloids will be a cause for rejection.

6. Minor scars and Birth Marks for e.g. as resulting from the removal of tuberculous glands do not, per se, indicate unsuitability for employment on flying duties. Extensive scarring of a limb or torso that may cause functional limitation or unsightly appearance should be considered unfit.
7. Cervical rib without any neurovascular compromise will be accepted. This will be recorded in the medical board proceedings.
8. Asymmetry of the face and head, which will interfere with proper fitting of oxygen mask and helmet, will be a cause for rejection for flying duties.
9. A candidate who has undergone an abdominal operation, other than a simple appendectomy, involving extensive surgical intervention or partial or total excision of any organ is unsuitable for flying duties. Operation involving the cranial vault (e.g. trephining), or extensive thoracic operations make the candidate unfit for flying.
10. The chest should be well proportioned and well developed with the minimum range of expansion of 5 cm.

11. Height, Sitting Height, Leg Length and Thigh Length

(a) The minimum height for entry into ground duty branches will be 157.5 cm. Gorkhas and individuals belonging to North Eastern regions of India and hilly regions of Uttarakhand, the minimum acceptable height will be 5 cm less (152.5 cm). In case of candidates from Lakshadweep, the minimum acceptable height can be reduced by 2 cm (155.5 cm).

(b) Minimum height for Flying Branch will be 162.5 cm. Acceptable measurements of leg length, thigh length and sitting height for such aircrew will be as under: -

- | | | |
|---------------------|------------------|-------------------|
| (i) Sitting height: | Minimum- 81.5 cm | Maximum- 96.0 cm |
| (ii) Leg Length: | Minimum- 99.0 cm | Maximum- 120.0 cm |
| (iii) Thigh Length: | Maximum- 64.0 cm | |

12. The height and weight chart prescribed is placed at **Appendix B** to the draft rules will be applicable.

13. **Cardiovascular System**

(a) History of chest pain, breathlessness, palpitation, fainting attacks, giddiness, rheumatic fever, chorea, frequent sore throats and tonsillitis will be given due consideration in assessment of the cardiovascular system.

(b) The normal pulse rate varies from 60-100 bpm. Persistent sinus tachycardia (> 100 bpm), after emotional factors and fever are excluded as causes, as well as persistent sinus bradycardia (< 60 bpm), will be referred for specialist opinion to exclude organic causes. Sinus arrhythmia and vagotonia will also be excluded.

(c) Candidates are quite prone to develop White Coat Hypertension, which is a transient rise of BP, due to the stress of medical examination. Every effort must be made to eliminate the White Coat effect by repeated recordings under basal conditions. When indicated, ambulatory BP recording must be carried out or the candidate be admitted to hospital for observation before final fitness is certified. An individual with BP consistently greater than or equal to 140/90 mm of Hg will be rejected.

(d) Evidence of organic cardiovascular disease will be cause for rejection. Diastolic murmurs are invariably organic. Short systolic murmurs of ejection systolic nature and not associated with thrill and which diminish on standing, especially if associated with a normal ECG and chest radiograph, are most often functional. However, an echocardiogram will be done to exclude organic heart disease. In case of any doubt the case will be referred to cardiologist for opinion.

(e) Electrocardiogram. Assessment of a properly recorded ECG (resting – 14 lead) will be carried out by a medical specialist. Note will be taken of wave patterns, the amplitude, duration and time relationship. At initial entry no abnormalities are acceptable except incomplete RBBB in the absence of structural heart disease, which must be excluded. In such cases, opinion of Senior Adviser (Medicine) or Cardiologist will be obtained.

14. **Respiratory System**

(a) Any residual scarring in pulmonary parenchyma or pleura, as evidenced by a demonstrable opacity on chest radiogram will be a ground for rejection. Old treated cases of Pulmonary Tuberculosis with no significant residual abnormality can be accepted if the diagnosis and treatment was completed more than two year earlier. In these cases, a CT scan chest and fiberoptic bronchoscopy with bronchial lavage will be done alongwith USG, ESR, PCR, Immunological tests and Mantoux test as decided by the Physician. If all the tests are normal the candidate may be considered fit. However, in such cases fitness will only be decided at Appeal/ Review Medical Board.

(b) Pleurisy with Effusion. Any evidence of significant residual pleural thickening will be a cause for rejection.

(c) History of repeated attacks of cough/ wheezing/ bronchitis may be manifestations of chronic bronchitis or other chronic pathology of the respiratory tract. Such cases will be assessed unfit. Pulmonary Function Tests will be carried out, if available.

(d) History of repeated attacks of bronchial asthma/ wheezing/ allergic rhinitis will be a cause for rejection.

(e) Radiographs of the Chest. Definite radiological evidence of disease of the lungs, mediastinum and pleurae indicates unsuitability for employment in Air Force. If required, investigations as outlined in Para 14 (a) above will be carried out under the advice of a Chest Physician.

15. Gastrointestinal System

- (a) Any past history of ulceration or infection of the mouth, tongue, gums or throat will be taken note of including any major dental alteration.
- (b) The following dental standards will be followed:-
- (i) Candidate must have 14 dental points and the following teeth must be present in the upper jaw in good functional opposition with the corresponding teeth in the lower jaw, and these must be sound or repairable:-
 - (aa) Any four of the six anteriors
 - (ab) Any six of the ten posteriors
 - (ac) They should be balancing on both sides. Unilateral mastication is not allowed.
 - (ad) Any removable or wired prosthesis are not permitted.
 - (ii) Candidate whose dental standard does not conform to the laid down standard will be rejected.
 - (iii) Candidate with dental arches affected by advanced stage of generalised active lesions of pyorrhoea, acute ulcerative gingivitis, and gross abnormality of the teeth or jaws or with numerous caries or septic teeth will be rejected.
- (c) Gastro-Duodenal Disabilities. Candidates who are suffering or have suffered, during the previous two years, from symptoms suggestive of chronic indigestion, including proven peptic ulceration, are not to be accepted, in view of the exceedingly high risk of recurrence of symptoms and potential for incapacitation. Any past surgical procedure involving partial or total loss of an organ (other than vestigial organs/gall bladder) will entail rejection.
- (d) If past history of jaundice is noted or any abnormality of the liver function is suspected, full investigation is required for assessment. Candidates suffering from viral hepatitis or any other form of jaundice will be rejected. Such candidates can be declared fit after a minimum period of 6 months has elapsed provided there is full clinical recovery; HBV and HCV status are both negative and liver functions are within normal limits.
- (e) Candidates who have undergone splenectomy are unfit, irrespective of the cause for operation. Splenomegaly of any degree is a cause for rejection.
- (f) A candidate with a well-healed hernia scar, after successful surgery, will be considered fit six months after surgery, provided there is no potential for any recurrence and the abdominal wall musculature is good.

(g) Abdominal Surgery

(i) A candidate with well-healed scar after conventional abdominal surgery will be considered fit after one year of successful surgery provided there is no potential for any recurrence of the underlying pathology and the abdominal wall musculature is good.

(ii) A candidate after laproscopic cholecystectomy will be considered fit if 08 weeks have passed since surgery provided they are free from signs and symptoms and their evaluation including LFT and USG abdomen are normal and there is total absence of gall bladder with no intra-abdominal collection. Other abdominal laproscopic procedures can also be considered fit after 08 weeks of surgery provided the individual is asymptomatic, recovery is complete and there is no residual complication or evidence of recurrence.

(h) Disposal of cases with incidental ultrasonographic (USG) findings like fatty liver, small cysts, haemangiomas, septate gall bladder etc., will be based on clinical significance and functional limitation. A methodically conducted USG examination should look for the following areas during the examination. The findings as listed in the succeeding paragraphs and other incidental USG findings reported will be evaluated on clinical significance and functional capacity by the concerned specialist.

(j) Liver

(i) Fit

(aa) Normal echoanatomy of the liver, CBD, IHBR, portal and hepatic veins with liver span not exceeding 15 cm in the mid- clavicular line.

(ab) Solitary simple cyst (thin wall, anechoic) upto 2.5 cm diameter.

(ii) Unfit

(aa) Hepatomegaly more than 15 cm in mid-clavicular line.

(ab) Fatty liver

(ac) Solitary cyst > 2.5 cm

(ad) Solitary cyst of any size with thick walls, septations and debris

(ae) Any calcifications more than 03 mm in size.

(af) More than three calcifications even if each is less than 03 mm in size.

(ag) Multiple hepatic cysts of any size.

- (ah) Hemangioma > 02cm.
- (aj) Portal vein thrombosis.
- (ak) Evidence of portal hypertension (PV >13 mm, collaterals, ascites).

(iii) During Appeal Medical Board/ Review Medical Board unfit candidates will be subjected to specific investigations and detailed clinical examination. Fitness for specific conditions will be decided as given below:-

(aa) Fatty Liver may be considered fit in non-obese individual with normal LFT, no metabolic abnormality and negative HBsAg and Anti-HCV serology.

(ab) Solitary simple cyst 2.5 - 05 cm will be further evaluated with LFT, CECT abdomen, and hydatid serology. Will be considered fit if LFT is normal, hydatid serology is negative and CECT confirms USG findings.

(ac) Any liver calcifications, irrespective of size and number be considered fit provided after due investigations it is revealed that there is no evidence of active disease like tuberculosis, sarcoidosis, hydatid disease, metastatic tumour or liver abscess based on relevant clinical examination and investigations (LFT, hydatid serology, etc.).

(k) Gall Bladder

(i) Fit

(aa) Normal echoanatomy of the gall bladder.

(ab) Post laproscopic Cholecystectomy. Candidates having undergone lap-cholecystectomy may be considered fit if 08 weeks have passed since surgery and there is total absence of gall bladder with no intra- abdominal collection. Wound should have healed well without incisional hernia.

(ac) Open Cholecystectomy. Candidates having undergone open Cholecystectomy may be considered fit if one year has passed since surgery, the scar is healthy with no incisional hernia and there is total absence of gall bladder with no intra- abdominal collection.

(ii) Unfit.

(aa) Cholelithiasis or biliary sludge.

(ab) Choledocolithiasis.

(ac) Polyp of any size and number.

- (ad) Choledochal cyst.
- (ae) Gall bladder mass.
- (af) Gall bladder wall thickness > 05 mm.
- (ag) Septate gall bladder.
- (ah) Persistently contracted gall bladder on repeat USG.
- (aj) Incomplete Cholecystectomy.

(l) Spleen more than 13 cm in longitudinal axis (or if clinically palpable), any Space Occupying Lesion and Asplenia will be considered Unfit.

(m) Any structural abnormality of the Pancreas, Space Occupying Lesion/ Mass Lesion, Features of chronic pancreatitis (calcification, ductular abnormality, atrophy) will be considered Unfit.

(n) Peritoneal Cavity. Ascites, Solitary mesenteric or retroperitoneal lymph node >1 cm and Two or more lymph nodes of any size will be considered Unfit.

(o) Urogenital System.

(i) A simple non obstructive renal cyst of less than 2.5 cm size in one kidney will be considered fit.

(ii) The following congenital structural abnormalities of kidneys will be declared unfit.

(aa) Unilateral renal agenesis.

(ab) Unilateral or bilateral hypoplastic/ contracted kidney of size less than 08 cm.

(ac) Malrotation.

(ad) Horseshoe kidney.

(ae) Ptosed kidney.

(af) Crossed fused/ ectopic kidney.

(iii) Simple single renal cyst of more than 2.5 cm size in one kidney.

(iv) Single cyst of any size in both kidneys or multiple cysts in one kidney.

(v) Renal/ ureteric/ vesical mass.

(vi) Hydronephrosis, Hydroureteronephrosis.

(vii) Calculi - Renal/ Ureteric/ Vesical.

(viii) During Appeal Medical Board/ Review Medical Board, unfit candidates will be subjected to specific investigations and detailed clinical examination. Fitness for specific conditions will be decided as given below:-

(aa) Candidates having isolated abnormality of echo texture of Kidney may be considered fit if Renal Function, DTPA scan and CECT kidney is normal.

(p) Major Abdominal Vasculature (Aorta/ IVC). Any structural abnormality, focal ectasia, aneurysm and calcification will be considered Unfit.

(q) Scrotum and Testis

(i) Unilateral intraabdominal testes, provided the other testes is completely descended will be declared fit.

(ii) Bilateral undescended testes or bilateral atrophied testis will be declared unfit.

(iii) Unilateral undescended testis if it lies in the inguinal canal, at the external ring or in the abdominal wall will be declared unfit.

(iv) Varicocele will be unfit.

16. Urogenital System

(a) Any alteration in micturition, e.g. dysuria or frequency will be noted. Recurrent attacks of cystitis; pyelonephritis and haematuria must be excluded. Any history of renal colic, attacks of acute nephritis, any operation on the renal tract including loss of a kidney, passing of stones or urethral discharges will be enquired in detail. If there is any history of enuresis, past or present, full details must be obtained.

(b) Urine Examination

(i) Proteinuria will be a cause for rejection, unless it proves to be orthostatic.

(ii) When glycosuria is detected, a blood sugar examination (fasting and after 75 g glucose) and glycosylated Hb is to be carried out, and fitness decided as per results. Renal glycosuria is not a cause for rejection.

(iii) When the candidate has history or evidence of urinary infection it will entail full renal investigation. Persistent evidence of urinary infection will entail rejection.

(iv) Candidates with history of haematuria will be subjected to full renal investigation.

(c) Glomerulonephritis

(i) There is a high rate of recovery in the acute phase, particularly in childhood. A candidate who has made a complete recovery and has no proteinuria may be assessed fit, after a minimum period of one year after full recovery.

(ii) Candidate with chronic glomerulonephritis will be rejected.

(d) Renal Colic and Renal Calculi. Complete renal and metabolic evaluation is required. Candidates with renal calculi will be rejected.

(e) All candidates found to have congenital absence of one kidney or who have undergone unilateral nephrectomy will be rejected. Presence of horseshoe kidney will entail rejection. Solitary functioning kidney with diseased, non-functional contralateral kidney will entail rejection. Crossed ectopia, unascended or malrotated kidney(s), unilateral congenital hypoplasia will be a cause for rejection.

(f) Bilateral undescended testis /atrophied testis will be a cause for rejection. Unilateral undescended testis, if entirely retained in the abdomen, is acceptable. If it lies in the inguinal canal, at the external ring or in the abdominal wall, such cases may be accepted after either orchidectomy or orchipexy operation. In all doubtful cases, surgical opinion must be obtained regarding fitness.

(g) Hydrocele or Varicocele should be properly treated before fitness is considered. Minor degree of varicocele will not entail rejection.

(h) Sexual Transmitted Diseases and Human Immuno Deficiency Virus (HIV). Seropositive HIV status and/ or evidence of STD will entail rejection.

17. **Endocrine System**

(a) Generally any history suggestive of endocrine disorders will be a cause for rejection.

(b) All cases of thyroid swelling having abnormal iodine uptake and abnormal thyroid hormone levels will be rejected. Cases of simple goitre with minimal thyroid swelling, who are clinically euthyroid and have normal iodine uptake and normal thyroid functions may be accepted.

(c) Candidates detected to have diabetes mellitus will be rejected. A candidate with a family history of diabetes mellitus will be subjected to blood sugar (fasting and after glucose load) and Glycosylated Hb/ HbA1c evaluation, which will be recorded.

18. Dermatological System

(a) Borderline skin conditions will be referred to a dermatologist. Candidates who give history of sexual exposure to a Commercial Sex Worker (CSW), or have evidence of healed penile sore in the form of a scar will be declared permanently unfit, even in absence of an overt STD, as these candidates are likely 'repeaters' with similar indulgent promiscuous behavior.

(b) Acute non-exanthematous and non-communicable diseases, which ordinarily run a temporary course, need not be a cause of rejection. Diseases of a trivial nature, and those, which do not interfere with general health or cause incapacity, do not entail rejection.

(c) Certain skin conditions are apt to become active and incapacitating under tropical conditions. An individual is unsuitable for service if he has a definite history or signs of chronic or recurrent skin disease. Some such conditions are described below:-

(i) Some amount of Palmoplantar Hyperhydrosis is physiological, considering the situation that recruits face during medical examination. However, candidates with significant Palmoplantar Hyperhydrosis will be considered unfit.

(ii) Mild (Grade I) Acne Vulgaris consisting of few comedones or papules, localized only to the face may be acceptable. However, moderate to severe degree of acne (nodulocystic type with or without keloidal scarring) or involving the back will be considered unfit.

(iii) Any degree of Palmoplantar Keratoderma manifesting with hyperkeratotic and fissured skin over the palms, soles and heels will be considered unfit.

(iv) Ichthyosis Vulgaris involving the upper and lower limbs, with evident dry, scaly, fissured skin will be considered unfit. Mild xerosis (dry skin) may be considered fit.

(v) Candidates having any keloids will be considered unfit.

(vi) Clinically evident onychomycosis of finger and toe-nails should be declared unfit, especially if associated with nail dystrophy. Mild degree of distal discolouration involving single nail without any dystrophy may be acceptable.

(vii) Giant congenital melanocytic naevi, greater than 10 cm will be considered unfit, as there is a malignant potential in such large sized naevi.

(viii) Small sized callosities, corns and warts may be considered acceptable after treatment. However candidates with multiple common warts or diffuse palmoplantar mosaic warts, large callosities on pressure areas of palms and soles and multiple corns will be rejected.

(ix) Psoriasis is a chronic skin condition known to relapse and/or recur and hence will be considered unfit.

(x) Candidates suffering from minor degree of Leukoderma affecting the covered parts may be accepted. Vitiligo limited only to glans and prepuce may be considered fit. Those having extensive degree of skin involvement and especially, when the exposed parts are affected, even to a minor degree, will not be accepted.

(d) A history of chronic or recurrent attacks of skin infections will be cause for rejection. A simple attack of boils or sycosis from which there has been complete recovery may be considered for acceptance.

(e) Individuals who have chronic or frequently recurring attacks of a skin disease of a serious or incapacitating nature e.g. eczema will be assessed as permanently unfit and rejected.

(f) Any sign of Leprosy will be a cause for rejection.

(g) Naevus depigmentosus and Beckers naevus may be considered fit. Intradermal naevus, vascular naevi may be considered unfit.

(h) Mild Pityriasis Versicolor may be considered fit after treatment. Extensive Pityriasis Versicolor may be considered unfit.

(j) Tinea Cruris and Tinea Corporis may be considered fit on recovery.

(k) Scrotal Eczema may be considered fit on recovery.

(l) Canities (premature graying stain) may be considered fit if mild in nature and no systemic association is seen.

(m) Intertrigo may be considered fit on recovery.

(n) Sexually Transmitted Diseases including Genital Ulcers will be considered unfit.

(o) Scabies may be considered fit only on recovery.

19. **Musculoskeletal System and Physical Capacity**

(a) Assessment of the candidate's physique is to be based upon careful observation of such general parameters as apparent muscular development, age, height, weight and the correlation of this i.e. potential ability to acquire physical stamina with training. The candidate's physical capacity is affected by general physical development or by any constitutional or pathological condition.

(b) Past medical history of disease or injury of the spine or sacroiliac joints, either with or without objective signs, which has prevented the candidate from successfully following a

physically active life, is a cause for rejection for commissioning. History of spinal fracture/prolapsed intervertebral disc and surgical treatment for these conditions will entail rejection.

(c) Mild kyphosis or lordosis where deformity is barely noticeable and not associated with pain or restriction of movement may be accepted. When scoliosis is noticeable or any pathological condition of the spine is suspected, radiographic examination of the appropriate part of the spine needs to be carried out.

(d) For flying duties, radiograph (AP and lateral views) of cervical, thoracic and lumbosacral spine will be carried out. For ground duties, radiographic examination of spine may be carried out, if deemed necessary.

(e) The following conditions detected radiologically will disqualify a candidate for Air Force Service:-

- (i) Granulomatous disease of spine
- (ii) Arthritis/Spondylosis
 - (aa) Rheumatoid arthritis and allied disorders.
 - (ab) Ankylosing Spondylitis.
 - (ac) Osteoarthrosis, spondylosis and degenerative joint disease.
 - (ad) Non-articular rheumatism (e.g. lesions of the rotator cuff, tennis elbow, recurrent lumbago etc.).
 - (ae) Misc disorders including SLE, Polymyositis, and Vasculitis.
 - (af) Spondylolisthesis/ Spondylolysis.
 - (ag) Compression fracture of vertebra.
 - (ah) Scheuerman's Disease (Adolescent Kyphosis).
 - (aj) Loss of cervical lordosis when associated with clinically restricted movements of cervical spine.
 - (ak) Unilateral/Bilateral cervical ribs with demonstrable neurological or circulatory deficit.
- (iii) Any other abnormality as so considered by the specialist.

(f) The deformities/ diseases contained in the above para will be cause for rejection for all branches in IAF. In addition for candidates for flying branches, the under mentioned rules will also apply:-

(i) Spinal Anomalies acceptable for Flying Duties.

(aa) Bilateral complete sacralisation of LV5 and bilateral complete lumbarisation of SV1.

(ab) Spina bifida in sacrum and in LV5, if completely sacralised.

(ac) Complete block (fused) vertebrae in cervical and/or dorsal spine at a single level.

(ii) Spinal Conditions not acceptable for Flying Duties.

(aa) Scoliosis more than 15 degree as measured by Cobb's method.

(ab) Degenerative Disc Disease.

(ac) Atlanto - occipital and atlanto-axial anomalies

(ad) Hemi vertebra and/or incomplete block (fused) vertebra at any level in cervical, dorsal or lumbar spine and complete block (fused) vertebra at more than one level in cervical or dorsal spine.

(ae) Unilateral sacralisation or lumbarisation (complete or incomplete) at all levels and bilateral incomplete sacralisation or lumbarisation.

(g) Conditions Affecting the Assessment of Upper Limbs

(i) Candidate with an amputation of a limb will not be accepted for entry. Amputation of terminal phalanx of little finger on both sides is, however, acceptable.

(ii) Deformities of the upper limbs or their parts will be cause for rejection. Syndactyly and polydactyly will be assessed as unfit except when polydactyly is excised.

(iii) Painless limitation of movement of the wrist will be graded according to the degree of stiffness. Loss of dorsiflexion is more serious than loss of palmar flexion.

(iv) Slight limitation of movement of the elbow does not bar acceptance provided functional capacity is adequate. Ankylosis will entail rejection. Cubitus Valgus is said to be present when the carrying angle (angle between arm and forearm in anatomical posture) is exaggerated. In absence of functional disability and obvious cause like a fracture mal-union, fibrosis or the like, a carrying angle of upto 15° in male and 18° in female candidates would be acceptable.

- (v) History of recurrent dislocation of shoulder will entail rejection.
 - (vi) Malunion/non-union of an old fracture clavicle will entail rejection.
- (h) Conditions affecting the Assessment of Lower Limbs
- (i) Mild cases of Hallux Valgus (less than 20 degrees), asymptomatic, without any associated corn /callosities/ bunion are acceptable. Other cases will entail rejection. Shortening of first metatarsal is also considered unfit.
 - (ii) Hallux Rigidus is not acceptable.
 - (iii) Isolated single flexible mild hammer toe without symptoms may be accepted. Fixed (rigid) deformity or hammer toe associated with corns, callosities, mallet toes or hyperextension at metatarsophalangeal joint (claw toe deformity) will be rejected.
 - (iv) Loss of any digit of the toes entails rejection.
 - (v) Extra digits will entail rejection if there is bony continuity with adjacent digits. Cases of syndactyly or loss of toes/fingers will be rejected.
 - (vi) Feet may look apparent flat. If the arches of the feet reappear on standing on toes, if the candidate can skip and run well on the toes and if the feet are supple, mobile and painless, the candidate is acceptable. Restriction of the movements of the foot will also be a cause for rejection. Rigidity of the foot, whatever may be the shape of the foot, is a cause for rejection.
 - (vii) Mild degree of idiopathic pes cavus is acceptable. Moderate and severe pes cavus and pes cavus due to organic disease will entail rejection. All cases of Talipes (Club Foot) will be rejected.
 - (viii) Any significant limitation of movement of the ankle joints following previous injuries will not be accepted. However, cases with no history of recurrent trouble and having plantar and dorsiflexion movement of at least 20 degree may be assessed fit for ground duties. Fitness for aircrew duties will be based on functional evaluation.
 - (ix) History or clinical signs suggestive of internal derangement of knee joint will need careful consideration. Fitness in such cases will be based on functional evaluation and possibility/progression/recurrence of the treated pathology. Any ligamentous laxity is not accepted. ACL reconstruction surgery is to be considered unfit
 - (x) If the distance between the internal malleoli is less than 5 cm, without any other deformity, the candidate will be considered fit for Genu Valgum (Knock Knee). If the distance between the two internal malleoli is more than 5 cm, candidate will be declared unfit.

- (xi) If the distance between the femoral condyles is within 10 cm the candidate will be considered fit for Genu Varum (Bow Legs).
- (xii) If the hyperextension of the knee is within 10 degrees and is unaccompanied by any other deformity, the candidate will be accepted as fit for Genu Recurvatum.
- (xiii) True lesions of the hip joint will entail rejection.

20. Central Nervous System

- (a) A candidate giving a history of mental illness/ psychological afflictions requires detailed investigation and psychiatric referral. Such cases will be rejected. Family history and prior history of using medication is also relevant.
- (b) History of insomnia, nightmares or frequent sleepwalking or bed-wetting, when recurrent or persistent, will be a cause for rejection.
- (c) Severe or 'throbbing' Headache and Migraine. Common types of recurrent headaches are those due to former head injury or migraine. Other forms of occasional headache must be considered in relation to their probable cause. A candidate with migraine, which was severe enough to make him consult a doctor, will be a cause for rejection. Even a single attack of migraine with visual disturbance or 'Migrainous epilepsy' is a bar to acceptance.
- (d) History of epilepsy in a candidate is a cause for rejection. Convulsions/ fits after the age of five are also a cause for rejection. Convulsions in infancy may not be of ominous nature provided it appears that the convulsions were febrile convulsions and were not associated with any overt neurological deficit. Causes of epilepsy include genetic factors, traumatic brain injury, stroke, infection, demyelinating and degenerative disorders, birth defects, substance abuse and withdrawal seizures. Seizures may masquerade as "faints" and therefore the frequency and the conditions under which "faints" took place must be elicited. Seizure attacks indicate unsuitability for flying, whatever their apparent nature.
- (e) History of repeated attacks of heat stroke, hyperpyrexia or heat exhaustion bars employment for Air Force duties, as it is an evidence of a faulty heat regulating mechanism. A single severe attack of heat effects, provided the history of exposure was severe, and no permanent sequelae were evident is, by itself, not a reason for rejecting the candidate.
- (f) A history of severe head injury or Concussion is a cause for rejection. The degree of severity may be gauged from the history of duration of Post Traumatic Amnesia (PTA). Other sequelae of head injury are post concussion syndrome which has subjective symptoms of headache, giddiness, insomnia, restlessness, irritability, poor concentration and attention deficits; focal neurological deficit, and post traumatic epilepsy. Post traumatic neuropsychological impairment can also occur which includes deficits in attention concentration, information processing speeds, mental flexibility and frontal lobe executive functions and psychosocial functioning. Fracture of the skull will not be a cause for rejection unless there is a history of associated intracranial damage or of depressed fracture or loss of bone. When there is a history of severe injury or an associated convulsive attack, an

electroencephalogram will be carried out which must be normal. Presence of burr holes will be cause for rejection for flying duties, but not for ground duties. Each case is to be judged on individual merits. Opinion of Neurosurgeon and Psychiatrist must be obtained before acceptance.

(g) When a family history of Psychological Disorders like nervous breakdown, mental disease, or suicide of a near relative is obtained, a careful investigation of the personal past history from a psychological point of view is to be obtained. While such a history per se is not a bar to Air Force duties, any evidence of even the slightest psychological instability in the personal history or present condition, will entail rejection.

(h) If a family history of epilepsy is admitted an attempt should be made to determine its type. When the condition has occurred in a near (first degree) relative, the candidate may be accepted, if he has no history of associated disturbance of consciousness, neurological deficit or higher mental functions and his electroencephalogram is completely normal.

(j) The assessment of emotional stability must include family and personal history, any indication of emotional instability under stress as evidenced by the occurrence of undue emotionalism as a child or of any previous nervous illness or breakdown. The presence of stammering, tic, nail biting, excessive hyperhydrosis or restlessness during examination is indicative of emotional instability.

(k) Candidates who are suffering from psychosis will be rejected. Drug dependence in any form will also be a cause for rejection.

(l) Mentally unstable and neurotic individuals are unfit for commissioning. Juvenile and adult delinquency, history of nervous breakdown or chronic ill health will be causes for rejection. Particular attention will be paid to such factors as unhappy childhood, poor family background, truancy, juvenile and adult delinquency, poor employment and social maladjustment records, history of nervous breakdown or chronic ill-health, particularly if these have interfered with employment in the past.

(m) Any evident neurological deficit (Organic Nervous Conditions) will call for rejection.

(n) Tremors are rhythmic oscillatory movements of reciprocally innervated muscle groups. Tremors occur in cases of excessive fright, anger, anxiety, intense physical exertion, metabolic disturbances including hyperthyroidism, alcohol withdrawal and toxic effects of lithium, smoking (nicotine) and excessive tea, coffee. Other causes of coarse tremor are Parkinsonism, cerebellar (intention) tremor, essential (familial) tremor, tremors of neuropathy and postural or action tremors.

(o) Candidates with stammering will not be accepted for Air Force duties. Careful assessment by ENT Specialist, Speech therapist, psychologist/ psychiatrist may be obtained in doubtful cases.

(p) EEG will be recorded for candidates for aircrew duties only in case there is history of epilepsy. Those with following EEG abnormalities in resting EEG or EEG under provocative techniques will be rejected for aircrew duties:-

(i) Background Activity. Focal, excessive and high amplitude beta activity/hemispherical asymmetry of more than 2.3 Hz/generalized and focal runs of slow waves approaching background activity in amplitude.

(ii) Hyperventilation. Paroxysmal spikes and slow waves/spikes/focal spike pattern.

(iii) Photo Stimulation. Bilaterally synchronous or focal paroxysmal spikes and slow waves persisting in post-photoc stimulation period/suppression or driving response over one hemisphere.

(q) Non-specific EEG abnormality will be acceptable provided opinion of Neuropsychiatrist/Neurophysician is obtained. In case an EEG is reported as abnormal, the candidate would be referred to CHAF (B) for a comprehensive evaluation by neurophysician followed by review by a Board at IAM IAF.

21. **Ear, Nose and Throat**

(a) **Nose and Paranasal Sinuses**

(i) Obstruction to free breathing as a result of a marked septal deviation is a cause for rejection. Post correction surgery with residual mild deviation with adequate airway will be acceptable.

(ii) Any septal perforation will entail rejection.

(iii) Atrophic rhinitis will entail rejection.

(iv) Cases of allergic rhinitis will entail rejection for flying duties.

(v) Any infection of paranasal sinuses will be declared unfit. Such cases will be accepted following successful treatment during Appeal Medical Board.

(vi) Multiple polyposis will be a cause for rejection.

(b) **Oral Cavity and Throat**

(i) Candidates where tonsillectomy is indicated will be rejected. Such candidates will be accepted after successful surgery during Appeal Medical Board.

(ii) The presence of a cleft palate will be a cause for rejection.

(iii) Any disabling condition of the pharynx or larynx including persistent hoarseness of voice will entail rejection.

- (c) Obstruction or insufficiency of eustachian tube function will be a cause for rejection.
- (d) The presence of tinnitus necessitates investigation of its duration, localization, severity and possible causation. Persistent tinnitus is a cause for rejection, as it is liable to become worse through exposure to noise and may be a precursor to Otosclerosis and Meniere's disease.
- (e) Specific enquiry will be made for any susceptibility to motion sickness. Such cases will be fully evaluated and, if found susceptible to motion sickness, they will be rejected for flying duties.
- (f) A candidate with a history of dizziness needs to be investigated thoroughly.
- (g) Hearing loss
 - (i) Free field hearing loss is a cause for rejection.
 - (ii) Audiometric loss should not be greater than 20 db, in frequencies between 250 and 8000 Hz. On the recommendation of an ENT Specialist, an isolated unilateral hearing loss up to 30 db may be condoned provided ENT examination is otherwise normal.
- (h) A radical/modified radical mastoidectomy entails rejection even if completely epithelialised and good hearing is preserved. Cases of cortical mastoidectomy in the past with the tympanic membrane intact, normal hearing and presenting no evidence of disease may be accepted.
- (j) Cases of chronic otitis externa accompanied by exostoses or unduly narrow meatus will be rejected. Exaggerated tortuosity of the canal, obliterating the anterior view of the tympanic membrane will be a cause for rejection.
- (k) Tympanoplasty Type I is acceptable twelve weeks after surgery, provided ear clearance test in altitude chamber is normal. The following middle ear conditions will entail rejection:-
 - (i) Attic, central or marginal perforation.
 - (ii) Tympanic membrane scar with marked retraction.
 - (iii) Tympanoplasty Type II onward but not Type I.
 - (iv) Calcareous plaques (tympanosclerosis) if occupying more than 1/3 of pars tensa.
 - (v) Middle ear infections.

- (vi) Granulation or polyp in external auditory canal.
- (vii) Stapedectomy operation.
- (l) Miscellaneous Ear Conditions. The following ear conditions will entail rejection:-
 - (i) Otosclerosis.
 - (ii) Meniere's disease.
 - (iii) Vestibular dysfunction including nystagmus of vestibular origin.
 - (iv) Bell's palsy following ear infection.

22. Ophthalmic System

- (a) Visual defects and medical ophthalmic conditions are amongst the major causes of rejection for flying duties.
- (b) Personal and Family History and External Examination.
 - (i) Squint and the need for spectacles for other reasons are frequently hereditary and a family history may give valuable information on the degree of deterioration to be anticipated. Candidates, who are wearing spectacles or found to have defective vision, will be properly assessed.
 - (ii) Ptosis interfering with vision or visual field is a cause for rejection till surgical correction remains successful for a period of six months. Candidates with uncontrollable blepharitis, particularly with loss of eyelashes, are generally unsuitable and will be rejected. Severe cases of blepharitis and chronic conjunctivitis will be assessed as temporarily unfit until the response to treatment can be assessed.
 - (iii) Naso-lacrymal occlusion producing epiphora or a mucocele entails rejection, unless surgery produces relief lasting for a minimum of six months.
 - (iv) Uveitis (iritis, cyclitis, and choroiditis) is frequently recurrent, and candidates giving a history of or exhibiting this condition will be carefully assessed. When there is evidence of permanent lesions such candidates will be rejected.
 - (v) Corneal scars, opacities will be cause for rejection unless it does not interfere with vision. Such cases will be carefully assessed before acceptance, as many conditions are recurrent.
 - (vi) Cases with Lenticular opacities will be assessed carefully. As a guideline any opacity causing visual deterioration, or is in the visual axis or is present in an area of 7 mm around the pupil, which may cause glare phenomena, will not be considered fit.

The propensity of the opacities not to increase in number or size will also be a consideration when deciding fitness.

(vii) Visual disturbances associated with headaches of a migrainous type are not a strictly ocular problem, and will be assessed accordingly. Presence of diplopia or detection of nystagmus requires proper examination, as they can be due to physiological reasons.

(viii) Night blindness is largely congenital but certain diseases of the eye exhibit night blindness as an early symptom and hence, proper investigations are necessary before final assessment. As tests for night blindness are not routinely performed, a certificate to this effect that the individual does not suffer from night blindness will be obtained in every case. Certificate will be as per **Appendix- D** to the draft rules.

(ix) Restriction of movements of the eyeball in any direction and undue depression/ prominence of the eyeball requires proper assessment.

(c) The visual acuity and colour vision requirements are detailed in **Appendix- C** to this rule. Those who do not meet these requirements will be rejected.

(d) If there is a strong family history of Myopia, particularly if it is established that the visual defect is recent, if physical growth is still expected, or if the fundus appearance is suggestive of progressive myopia, even if the visual acuity is within the limit prescribed, the candidate will be declared unfit.

(e) Refractive Surgeries. Candidates who have undergone PRK (Photo Refractive Keratectomy)/ LASIK (LASER In Situ Keratomileusis) may be considered fit for commissioning in the Air Force all branches.

(f) The following criteria must be satisfied prior to selecting post PRK/ LASIK candidates:-

(i) PRK/ LASIK surgery should not have been carried out before the age of 20 years.

(ii) The axial length of the eye should not be more than 25.5 mm as measured by IOL master.

(iii) At least 12 months should have elapsed post uncomplicated stable PRK/ LASIK with no history or evidence of any complication.

(iv) The post PRK/ LASIK corneal thickness as measured by a corneal pachymeter should not be less than 450 microns.

(v) Individuals with high refractive errors (>6D) prior to PRK/ LASIK are to be excluded.

(g) Radial keratotomy (RK) surgery for correction of refractive errors is not permitted for any Air Force duties. Candidates having undergone cataract surgery with or without IOL implants will also be declared unfit.

(h) Ocular Muscle Balance

(i) Individuals with manifest squint are not acceptable for commissioning.

(ii) The assessment of latent squint or heterophoria in the case of aircrew will be mainly based on the assessment of the fusion capacity. A strong fusion sense ensures the maintenance of binocular vision in the face of stress and fatigue. Hence, it is the main criterion for acceptability.

(aa) Convergence.

(aaa) Objective Convergence. Average is from 6.5 to 8 cm. It is poor at 10 cm and above.

(aab) Subjective Convergence (SC). This indicates the end point of binocular vision under the stress of convergence. If the subjective convergence is more than 10 cm beyond the limit of objective convergence, the fusion capacity is poor. This is specially so when the objective convergence is 10 cm and above.

(ab) Accommodation. In the case of myopes, accommodation should be assessed with corrective glasses in position. The acceptable values for accommodation in various age groups are given in table below:-

Age in Yrs	17-20	21-25	26-30	31-35	36-40	41-45
Accommodation (in cm)	10-11	11-12	12.5-13.5	14-16	16-18.5	18.5-27

(j) Ocular muscle balance is dynamic and varies with concentration, anxiety, fatigue, hypoxia, drugs and alcohol. The above tests will be considered together for the final assessment. For example, cases just beyond the maximum limits of the Maddox Rod test, but who show a good binocular response, a good objective convergence with little difference from subjective convergence, and full and rapid recovery on the cover tests may be accepted. On the other hand, cases well within Maddox Rod test limits, but who show little or no fusion capacity, incomplete or no recovery on the cover tests, and poor subjective convergence will be rejected. Standards for assessment of Ocular Muscle Balance are mentioned in **Appendix- C** to the draft rules.

(k) Any clinical findings in the media (cornea, lens, vitreous) or fundus, which is of pathological nature and likely to progress will be a cause for rejection. This examination will be done by slit lamp and ophthalmoscopy under mydriasis.

23. Haemopoietic System

(a) All candidates will be examined for clinical evidence of pallor (anaemia), malnutrition, icterus, peripheral lymphadenopathy, purpura, petechiae/ ecchymoses and hepatosplenomegaly.

(b) In the event of laboratory confirmation of anaemia (<13g/dl in males), further evaluation to ascertain type of anaemia and aetiology will be carried out. This will include a complete haemogram (to include the PCV MCV, MCH, MCHC, TRBC, TWBC, DLC, Platelet count, reticulocyte count and ESR) and a peripheral blood smear. All the other tests to establish the aetiology will be carried out, as required. Ultrasonography of abdomen for gallstones, upper GI Endoscopy/ proctoscopy and hemoglobin electrophoresis etc. will be done, as indicated, and the fitness of the candidate, decided on the merit of each case.

(c) Candidates with mild microcytic hypochromic (Iron deficiency anaemia) or dimorphic anaemia (Hb < 11.5g/dl in males), in the first instance, will be made temporarily unfit for a period of 04 to 06 weeks followed by review thereafter. These candidates can be accepted, if the complete haemogram and PCV, peripheral smear results are within the normal range. Candidates with macrocytic/ megaloblastic anaemia will be assessed unfit.

(d) All candidates with evidence of hereditary haemolytic anaemias (due to red cell membrane defect or due to red cell enzyme deficiencies) and haemoglobinopathies (Sickle cell disease, Beta Thalassaemia: Major, Intermedia, Minor, Trait and Alpha Thalassaemia etc.) will be considered unfit for service.

(e) In the presence of history of haemorrhage into the skin like ecchymosis / petechiae, epistaxis, bleeding from gums and alimentary tract, persistent bleeding after minor trauma or lacerations / tooth extraction and any family history of haemophilia or other bleeding disorders a full evaluation will be carried out. These cases will not be acceptable for entry to service. All candidates with clinical evidence of purpura or evidence of thrombocytopenia will be considered unfit for service. Cases of purpura simplex (simple easy bruising), a benign disorder seen in otherwise healthy women may be accepted.

(f) Candidates with history of haemophilia, von Willebrand's disease, on evaluation, will be declared unfit for service at entry level.

24. Assessment for women candidates-

(a) Any lump in the breast will be a cause for rejection. Cases of Fibroadenoma breast after successful surgical removal may be considered fit with the opinion of a surgical specialist and a normal histopathological report.

(b) Galactorrhoea will be cause for temporary unfitness. Fitness after investigation/treatment may be considered based on merits of the case and opinion of the concerned specialist.

(c) Any abnormality of external genitalia will be considered on merits of each case. Significant hirsutism especially with male pattern of hair growth will be a cause for rejection.

Following conditions will not be a cause for rejection:-

- (i) Small fibroid uterus (3 cm or less in diameter) without symptoms.
 - (ii) Small ovarian cyst (6 cm or less in diameter) as such cysts are invariably functional.
 - (iii) Congenital elongation of cervix (which comes up to introitus).
- (d) Congenital uterine anomalies such as bicornuate uterus, uterus didelphys and arcuate uterus. Acute or chronic pelvic infection and Endometriosis will be causes for rejection.
- (e) Severe menorrhagia will entail rejection.
- (f) Complete prolapse of uterus will be a cause for rejection. Minor degree, after surgical correction, may be considered for fitness on merits.
- (g) Any other gynaecological condition not covered above will be considered on merits of each case by gynecologist.
- (h) Pregnancy will be a cause for rejection.

-X-X-X-X-X-X-

**HEIGHT AND WEIGHT PARAMETERS FOR AIR FORCE COMMON ADMISSION ONLINE TEST
(AFCAT- 01/2020) FOR FLYING BRANCH AND GROUND DUTIES (TECHNICAL AND NON-
TECHNICAL)/ NCC SPECIAL ENTRY/
FOR COURSES COMMENCING IN JANUARY 2021
CANDIDATES ON ENTRY**

1. You will be screened for your height and weight at AFSB. In case you do not meet the height criterion when you report to AFSB, you may not be tested. Overweight/obese candidate would be issued with a letter of caution and advised to reduce weight within the specified limits before reporting for medicals. Maximum permissible weight deviation is 01 Standard Deviation (SD) as per the height and weight standards for men and women, failing which the above mentioned letters of caution would be issued.
2. The minimum acceptable height for men and women candidates in Flying Branch is **162.5 cms**, Leg Length: Min - **99 cms**, Max - **120 cms**. Thigh Length: Max - **64 cms**, Sitting Height: Min - **81.5 cms**, Max - **96 cms** (No concession for age/ sex/ region).
3. The minimum acceptable height for male candidates in Ground Duty (Technical/Non-technical) Branch is 157.5 cms. For women candidates, minimum acceptable height is 152 cms. (For Gorkhas and individual belonging to hills of North-Eastern region of India, Garhwal and Kumaon, the minimum acceptable height will be 5 cms less. In case of candidates from Lakshadweep, the minimum acceptable height will be 2 cms less than what is applicable to men and women respectively).
4. Height and Weight standards for men and women are given below for Indian Air Force. Interpolation for weights against height not mentioned may be done.

Height and Weight Standards for Male

Height in cm	Age Range (Years)				
	15-17	18-22	23-27	28-32	33-37
152	46	47	50	54	54
153	47	47	51	55	55
154	47	48	51	56	56
155	48	49	52	56	56
156	48	49	53	57	57
157	49	50	54	58	58
158	49	50	54	58	58
159	50	51	55	59	59
160	51	52	56	59	60
161	51	52	56	60	60
162	52	53	57	61	61
163	52	54	58	61	62
164	53	54	59	62	63
165	53	55	59	63	63
166	54	56	60	63	64
167	54	56	61	64	65
168	55	57	61	65	65
169	55	57	62	65	66
170	56	58	63	66	67
171	56	59	64	66	68
172	57	59	64	67	68
173	58	60	65	68	69
174	58	61	66	68	70
175	59	61	66	69	71
176	59	62	67	70	71
177	60	62	68	70	72
178	60	63	69	71	73
179	61	64	69	72	73
180	61	64	70	72	74
181	62	65	71	73	75
182	62	66	72	74	76
183	63	66	72	74	76
184	64	67	73	75	77
185	64	68	74	75	78
186	65	68	74	76	78
187	65	69	75	77	79
188	66	69	76	77	80
189	66	70	77	78	81
190	67	71	77	79	81
191	67	71	78	79	82
192	68	72	79	80	82
193	68	73	79	81	83
±SD	6.0	6.3	7.1	6.6	6.9

Height and Weight standards for Female

Height in cm	Weight in Kg	
	20-25 years	26-30 years
148	43	46
149	44	47
150	45	48
151	45	48
152	46	49
153	47	50
154	47	50
155	48	51
156	49	52
157	49	53
158	50	53
159	51	54
160	51	55
161	52	55
162	52	56
163	53	57
164	54	57
165	54	58
166	55	59
167	56	60
168	56	60
169	57	61
170	58	62
171	58	62
172	59	63
173	59	64
174	60	64
175	61	65
176	61	66
177	62	67
178	63	67
±SD	5	5

VISUAL STANDARDS FOR AIR FORCE COMMON ADMISSION ONLINE TEST (AFCAT-01/2020) FOR FLYING BRANCH AND GROUND DUTIES (TECHNICAL AND NON-TECHNICAL)/NCC SPECIAL ENTRY FOR COURSES COMMENCING IN JANUARY 2021 CANDIDATES ON ENTRY

SI No	Branch	Maximum Limits of Refractive Error	Visual Acuity Errors	Colour Vision
1	F(P) including WSOs	Hypermetropia: + 2.0D Sph Manifest Myopia: Nil Retinoscopic myopia: - 0.5 in any meridian permitted Astigmatism: \pm 0.75D Cyl (within + 2.0D Max)	6/6 in one eye and 6/9 in other, correctable to 6/6 only for Hypermetropia	CP-I
2	Aircrew other than F(P)	Hypermetropia: +3.5D Sph Myopia: -2.0D Sph Astigmatism: \pm 0.75D Cyl	6/24 in one eye and 6/36 in other, correctable to 6/6 and 6/9	CP-I
3	Adm/Adm (ATC)/Adm (FC)	Hypermetropia: + 3.5D Sph Myopia: -3.5D Sph Astigmatism: \pm 2.5D Cyl in any meridian	Corrected visual acuity should be 6/9 in each eye.	CP-II
4	AE(M) AE(L)	Hypermetropia: + 3.5 D Sph Myopia: -3.50 D Sph Astigmatism: \pm 2.5D Cyl in any meridian	Corrected visual acuity should be 6/9 in each eye. Wearing of glasses will be compulsory when advised	CP-II
5	Met	Hypermetropia: + 3.5 D Sph Myopia: -3.50 D Sph Astigmatism: \pm 2.50 D Cyl	Corrected visual acuity should be 6/6 in the better eye and 6/18 in the worse eye. Wearing of Glasses will be compulsory.	CP-II
6	Accts/ Lgs/Edn	Hypermetropia: + 3.5 D Sph Myopia: -3.50 D Sph Astigmatism: \pm 2.50 D Cyl	Corrected visual acuity should be 6/6 in the better eye and 6/18 in the worse eye. Wearing of Glasses will be compulsory.	CP-III

Notes:

Note1. Ocular muscle balance for personnel covered in Sl. Nos. 1 and 2 should conform to the table given below:-

Standard of Ocular Muscle Balance for Flying Duties

Sl No	Test	Fit	Temporary Unfit	Permanently Unfit
1	Maddox Rod Test at 6 meters	Exo- 6 Prism D Eso- 6 Prism D Hyper- 1 Prism D Hypo- 1 Prism D	Exo- Greater than 6 prism D Eso- Greater than 6 prism D Hyper- Greater than 1 prism D Hypo- Greater than 1 prism D	Unocular suppression Hyper/Hypo more than 2 prism D
2	Maddox Rod Test at 33 cm	Exo-16 Prism D Eso- 6 Prism D Hyper- 1 Prism D Hypo- 1 Prism D	Exo- Greater than 16 prism D Eso- Greater than 6 prism D Hyper- Greater than 1 prism D Hypo- Greater than 1 prism D	Unocular suppression Hyper/Hypo more than 2 prism D
3	Hand held Stereoscope	All of BSV grades	Poor Fusional reserves	Absence of SMP, fusion Stereopsis
4	Convergence	Up to 10 cm	Up to 15 cm with effort	Greater than 15 cm with effort
5	Cover Test for Distance and Near	Latent divergence /convergence recovery rapid and complete	Compensated heterophoria/ trophia likely to improve with treatment /persisting even after treatment	Compensated heterophoria

Note 2. The Sph correction factors mentioned above will be inclusive of the specified astigmatic correction factor. A minimum correction factor upto the specified visual acuity standard can be accepted.

Certificate Regarding Night Blindness

Name with Initials _____

Batch No. _____ Chest No _____

I hereby certify that to the best of my knowledge, there has not been any case of night blindness in our family, and I do not suffer from it.

Date:

(Signature of the candidate)

Countersigned by

(Name of Medical Officer)