



# UNION PUBLIC SERVICE COMMISSION

EXAMINATION NOTICE NO.11/2019-NDA-II

DATED 07.08.2019

(Last Date for Submission of Applications: 03.09.2019)

NATIONAL DEFENCE ACADEMY & NAVAL ACADEMY EXAMINATION (II),  
2019

(Commission's Website <http://upsc.gov.in>)

## IMPORTANT

### 1. CANDIDATES TO ENSURE THEIR ELIGIBILITY FOR THE EXAMINATION:

The candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the Examination. Their admission at all the stages of the examination will be purely provisional subject to satisfying the prescribed eligibility conditions.

**Mere issue of Admission Certificate to the candidate will not imply that his candidature has been finally cleared by the Commission.**

Verification of eligibility conditions with reference to original documents is taken up only after the candidate has qualified for interview/Personality Test.

### 2. HOW TO APPLY

2.1 Candidates are required to apply online by using the website [upsonline.nic.in](http://upsonline.nic.in) Brief instructions for filling up the online Application Form have been given in the Appendix-II (A) Detailed instructions are available on the above mentioned website.

2.2 The Commission has introduced the facility of withdrawal of Application for those candidates who do not want to appear for the Examination. In this regard, Instructions are mentioned in Appendix-II (B) of this Examination Notice.

2.3 Candidate should also have details of one photo ID viz. Aadhar Card/ Voter Card/ PAN Card/ Passport/ Driving License/ School Photo ID/Any other photo ID Card issued by the State/Central Government. The details of this photo ID will have to be provided by the candidate while filling up the online application form. The same photo ID card will also have to be uploaded with the Online Application Form. This photo ID will be used for all future referencing and the candidate is advised to carry this ID while appearing for examination/SSB.

### 3. LAST DATE FOR SUBMISSION AND WITHDRAWAL OF APPLICATIONS:

- (i) The Online Applications can be filled upto **3<sup>rd</sup> September, 2019 till 6:00 PM.**
- (ii) The online Applications can be withdrawn from **10.09.2019 to 17.09.2019** till 6:00 PM. Detailed instructions regarding withdrawal of Applications is available at Appendix-II (B).

**4. The eligible candidates shall be issued an e-Admit Card three weeks before the commencement of the examination. The e-Admit Card will be made available on the UPSC website ([upsconline.nic.in](http://upsconline.nic.in)) for being downloaded by candidates. No Admit Card will be sent by post. All the applicants are required to provide valid & active e-mail id while filling up online application form as the Commission may use electronic mode for contacting them.**

### 5. PENALTY FOR WRONG ANSWERS:

Candidates should note that there will be penalty (**Negative Marking**) for wrong answers marked by a candidate in the Objective Type Question Papers.

**6. For both writing and marking answers in the OMR sheet (Answer Sheet) candidates must use black ball pen only Pens with any other colour are prohibited. Do not use Pencil or Ink pen. Candidates should note that any omission/mistake/discrepancy in encoding/filling of details in the OMR answer sheet especially with regard to Roll Number and Test Booklet Series Code will render the answer sheet liable for rejection. Candidates are further advised to read carefully the "Special Instructions" contained in Appendix-III of the Notice.**

### 7. FACILITATION COUNTER FOR GUIDANCE OF CANDIDATES:

In case of any guidances/information/clarification regarding their application, candidature etc. candidates can contact UPSC's Facilitation Counter near Gate 'C' of its campus in person or over **Telephone No.011-23385271/011-23381125/011-23098543** on working days between 10.00 hrs. to 17.00 hrs.

### 8. MOBILE PHONES BANNED:

(a)The use of any mobile phone (even in switched off mode), pager or any electronic equipment or programmable device or storage media like pen drive, smart watches etc. or camera or blue tooth devices or any other equipment or related accessories either in working or switched off mode capable of being used as a communication device during the examination is strictly prohibited. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.

(b) Candidates are advised in their own interest not to bring any of the banned item including mobile phones or any valuable/costly items to the venue of the examination, as arrangement for safe-keeping cannot be assured. Commission will not be responsible for any loss in this regard.

**CANDIDATES ARE REQUIRED TO APPLY ONLINE AT <http://upsconline.nic.in>  
ONLY. NO OTHER MODE IS ALLOWED FOR SUBMISSION OF  
APPLICATION.**

**F.No.7/1/2019.E.1(B):** An Examination will be conducted by the Union Public Service Commission on **17<sup>th</sup> November, 2019** for admission to the Army, Navy and Air Force wings of the NDA for the **144<sup>th</sup> Course**, and for the **106<sup>th</sup> Indian Naval Academy Course (INAC)** commencing from **2<sup>nd</sup> July, 2020**.

The date of holding the examination as mentioned above is liable to be changed at the discretion of the Commission.

The approximate number of vacancies to be filled on the results of this examination will be as under : –

National Defence Academy	:	370	to include 208 for Army, 42 for Navy and 120 for Air (including 28 for Ground Duties)
Naval Academy (10+2 Cadet Entry Scheme)	:	45	
<b>Total</b>		<b>:</b>	<b>415</b>

Vacancies are provisional and may be changed depending on the availability of training capacity of National Defence Academy and Indian Naval Academy.

**N.B.** (i) A candidate is required to specify clearly in the Online Application Form the Services for which he wishes to be considered in the order of his preference [1 to 4]. He is also advised to indicate as many preferences as he wishes to opt so that having regard to his rank in the order of merit due consideration can be given to his preferences when making appointments.

(ii) Candidates should note that they will be considered for appointment to those services only for which they express their preferences and for no other service(s). No request for addition/alteration in the preferences already indicated by a candidate in his application will be entertained by the Commission.

(iii) Admission to the above courses will be made on the results of the written examination to be conducted by the Commission followed by intelligence and personality test by the Services Selection Board of candidates who qualify in the written examination.

## **2. CENTRES OF EXAMINATION:**

The Examination will be held at the following Centres :

Agartala, Ahmedabad, Aizawl, Prayagraj (Allahabad), Bengaluru, Bareilly, Bhopal, Chandigarh, Chennai, Cuttack, Dehradun, Delhi, Dharwad, Dispur, Gangtok, Hyderabad, Imphal, Itanagar, Jaipur, Jammu, Jorhat, Kochi, Kohima, Kolkata, Lucknow, Madurai, Mumbai, Nagpur, Panaji (Goa), Patna, Port Blair, Raipur, Ranchi, Sambalpur, Shillong, Shimla, Srinagar, Thiruvananthapuram, Tirupati, Udaipur and Vishakhapatnam.

Applicants should note that there will be a ceiling on the number of candidates allotted to each of the centres except Chennai, Dispur, Kolkata and Nagpur. Allotment of Centres will be on the first-apply-first-allot basis and once the capacity of a particular centre is attained, the same will be frozen. Applicants, who cannot get a centre of their choice due to ceiling, will be required to choose a Centre from the remaining ones. Applicants are, thus, advised that they may apply early so that they could get a Centre of their choice.

**N.B. :** Notwithstanding the aforesaid provision, Commission reserves the right to change the Centres at their discretion if the situation demands.

Candidates admitted to the examination will be informed of the time table and place or places of examination. Candidates should note that no request for change of centre will be granted.

### **3. CONDITIONS OF ELIGIBILITY:**

**(a) Nationality : A candidate must be unmarried male and must be :**

- (i) a citizen of India, or
- (ii) a subject of Bhutan, or
- (iii) a subject of Nepal, or
- (iv) a Tibetan refugee who came over to India before the 1st January, 1962 with the intention of permanently settling in India, or
- (v) a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka and East African Countries of Kenya, Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire and Ethiopia or Vietnam with the intention of permanently settling in India.

Provided that a candidate belonging to categories (ii), (iii), (iv) and (v) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

Certificate of eligibility will not, however, be necessary in the case of candidates who are Gorkha subjects of Nepal.

**(b) Age Limits, Sex and Marital Status :**

Only unmarried male candidates born not earlier than **02<sup>nd</sup> January, 2001** and not later than **1<sup>st</sup> January, 2004** are eligible.

The date of birth accepted by the Commission 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 which must be certified by the proper authority of the University or in the Secondary School Examination or an equivalent examination certificates. These certificates are required to be submitted only after the declaration of the result of the written part of the examination. No other document relating to age like horoscopes, affidavits, birth extracts from Municipal

Corporation, service records and the like will be accepted. The expression Matriculation/ Secondary School Examination Certificate in this part of the instruction includes the alternative certificates mentioned above.

**NOTE 1 :** Candidates should note that only the date of birth as recorded in the Matriculation/ Secondary School Examination Certificate available or an equivalent certificate on the date of submission of applications will be accepted by the Commission and no subsequent request for its change will be considered or granted.

**NOTE 2 :** Candidates should also note that once a date of birth has been claimed by them and entered in the records of the Commission for the purpose of admission to an Examination, no change will be allowed subsequently or at any subsequent examination on any ground whatsoever.

**NOTE 3 :** The candidates should exercise due care while entering their date of birth in the respective column of the Online Application Form for the Examination. If on verification at any subsequent stage any variation is found in their date of birth from the one entered in their Matriculation or equivalent Examination certificate, disciplinary action will be taken against them by the Commission under the Rules.

**NOTE 4 :** Candidates must undertake not to marry until they complete their full training. A candidate who marries subsequent to the date of his application though successful at this or any subsequent Examination will not be selected for training. A candidate who marries during training shall be discharged and will be liable to refund all expenditure incurred on him by the Government.

**(c) Educational Qualifications:**

**(i) For Army Wing of National Defence Academy :** – 12th Class pass of the 10+2 pattern of School Education or equivalent examination conducted by a State Education Board or a University.

**(ii) For Air Force and Naval Wings of National Defence Academy and for the 10+2 Cadet Entry Scheme at the Indian Naval Academy :** – 12th Class pass of the 10+2 pattern of School Education or equivalent with Physics and Mathematics conducted by a State Education Board or a University.

Candidates who are appearing in the 12th Class under the 10+2 pattern of School Education or equivalent examination can also apply for this examination.

Such candidates who qualify the SSB interview but could not produce Matriculation/10+2 or equivalent certificate in original at the time of SSB interview should forward duly self attested Photocopies to 'Directorate General of Recruiting, Army HQ, West Block.III, R.K. Puram, New Delhi-110066' and for Naval Academy candidates to 'Naval Headquarters, DMPR, OI&R Section, Room No. 204, 'C' Wing, Sena Bhavan, New Delhi-

110011' by 24<sup>th</sup> June, 2020 failing which their candidature will be cancelled. All other candidates who have produced their Matriculation and 10+2 pass or equivalent certificates in original at the time of attending the SSB interview and have got the same verified by the SSB authorities are not required to submit the same to Army HQ or Naval HQ as the case may be. Certificates in original issued by the Principals of the Institutions are also acceptable in cases where Boards/Universities have not yet issued certificates. Certified true copies/photostate copies of such certificates will not be accepted.

In exceptional cases the Commission may treat a candidate, who does not possess any of the qualifications prescribed in this rule as educationally qualified provided that he possesses qualifications, the standard of which in the opinion of the Commission, justifies his admission to the examination.

**NOTE 1 :** Candidates appearing in the 11th class exam are not eligible for this examination.

**NOTE 2 :** Those candidates who have yet to qualify in the 12th class or equivalent examination and are allowed to appear in the UPSC Examination should note that this is only a special concession given to them. They are required to submit proof of passing the 12th class or equivalent examination by the prescribed date (i.e. 24<sup>th</sup> June, 2020) and no request for extending this date will be entertained on the grounds of late conduct of Board/University Examination, delay in declaration of results or any other ground whatsoever.

**NOTE 3 :** Candidates who are debarred by the Ministry of Defence from holding any type of Commission in the Defence Services shall not be eligible for admission to the examination and if admitted, their candidature will be cancelled.

**NOTE 4 :** Those candidates, who have failed CPSS/PABT earlier, are now eligible for Air Force in Ground Duty branches if they fill their willingness in the Online Application Form available at the Commission's website.

**(d) Physical Standards:**

Candidates must be physically fit according to physical standards for admission to **National Defence Academy and Naval Academy Examination (II), 2019** as per guidelines given in Appendix-IV.

(e) A candidate who has resigned or withdrawn on disciplinary grounds from any of the training academies of Armed Forces is not eligible to apply.

#### 4. FEE

Candidates (excepting SC/ST candidates/Sons of JCOs/NCOs/ORs specified in Note 2 below who are exempted from payment of fee) are required to pay a fee of Rs. 100/- (Rupees one hundred only) either by depositing the money in any Branch of SBI by cash, or by using net banking facility of State Bank of India or by using Visa/MasterCard/Rupay Credit/Debit Card.

**N.B. 1 :** Applicants who opt for “Pay by Cash” mode, should print the system generated Pay-in-slip during Part-II registration and deposit the fee at the counter of SBI Branch on the next working day only. **“Pay by Cash” mode option will be deactivated at 23:59 hours of 02.09.2019 i.e. one day before the closing date;** however, applicants who have generated their Pay-in-slip before it is de-activated may pay at the counter of SBI Branch during banking hours on the closing date. Such applicants who are unable to pay by cash on the closing date i.e. during banking hours at SBI Branch, for reason whatsoever, even if holding a valid Pay-in-Slip, will have no other offline option but to opt for online Debit/Credit Card or Internet Banking Payment mode **on the closing date i.e. till 6:00 P.M. of 03.09.2019.**

**N.B. 2 :** Candidates should note that payment of examination fee can be made only through the modes prescribed above. Payment of fee through any other mode is neither valid nor acceptable. Applications submitted without the prescribed fee/mode (unless remission of fee is claimed) shall be summarily rejected.

**N.B. 3 :** Fee once paid shall not be refunded under any circumstances nor can the fee be held in reserve for any other examination or selection.

**N.B. 4 :** For the applicants in whose case payments details have not been received from the bank, they will be treated as fictitious payment cases and their applications will be rejected in the first instance. A list of all such applicants shall be made available on the Commission's website within two weeks after the last day of submission of online application. The applicants shall be required to submit the proof of their fee payment within 10 days from the date of such communication either by hand or by speed post to the Commission. On receipt of documentary proof, genuine fee payment cases will be considered and their applications will be revived, if they are otherwise eligible.

**NOTE-1 :** Candidates belonging to Scheduled Castes/Scheduled Tribes and those specified in Note 2 below are not required to pay any fee. No fee exemption is, however, available to OBC candidates and they are required to pay the full prescribed fee.

**NOTE-2 :** The sons of serving/ex-Junior Commissioned Officers/Non-Commissioned Officers/Other Ranks of Army and equivalent ranks in the Indian Navy/Indian Air Force are also not required to pay the prescribed



fee if they are studying in Military School (formerly known as King George's School)/Sainik School run by Sainik Schools Society.

**[N.B. : A certificate of eligibility for fee exemption is required to be obtained by all such candidates from the Principals concerned individually and produced for verification at the time of SSB Test/Interview by the candidates who are declared qualified for the SSB Test/Interview.]**

#### **5. HOW TO APPLY:**

Candidates are required to apply Online by using the website [upsconline.nic.in](http://upsconline.nic.in) Detailed instructions for filling up online applications are available on the above-mentioned website.

**NOTE-1 :** The applicants are advised to submit only single application; however if due to any unavoidable situation, if he submits another/multiple applications, then he must ensure that application with the higher RID is complete in all respects like applicants' details, examination centre, photograph, signature, photo identity card document, fee etc. The applicants who are submitting multiple applications should note that only the applications with higher RID (Registration ID) shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID.

**NOTE-2:** Candidate should also have details of one photo ID viz. Aadhar Card/ Voter Card/ PAN Card/ Passport/ Driving License/ School Photo ID/ Any other photo ID Card issued by the State/Central Government. The details of this photo ID will have to be provided by the candidate while filling up the online application form. The same photo ID card will also have to be uploaded with the Online Application Form. This photo ID will be used for all future referencing and the candidate is advised to carry this ID while appearing for examination/SSB.

**NOTE-3 :** All candidates whether already in Government Service including candidates serving in the Armed Forces, Sailors (including boys and artificers apprentices) of the Indian Navy, Cadets of Rashtriya Indian Military College (previously known as Sainik School, Dehradun), Students of Rashtriya Military Schools (formerly known as Military Schools) and Sainik Schools run by Sainik Schools Society, Government owned industrial undertakings or other similar organizations or in private employment should apply online direct to the Commission.

**N.B.** (a) Persons already in Government Service, whether in permanent or temporary capacity or as work charged employees other than casual or daily rated employees or those serving under the Public Enterprises; (b) Candidates serving in the Armed Forces, Sailors (including boys and artificers apprentices) of the Indian Navy; and (c) Cadets of Rashtriya Indian Military College (previously known as Sainik School, Dehra Dun), Students of Military Schools formerly known as King George's Schools and Sainik Schools run by Sainik Schools Society are required to inform their

Head of Office/Department, Commanding Officer, Principals of College/School concerned, as the case may be, in writing that they have applied for this examination. Candidates should note that in case a communication is received by the Commission from their employer/authority concerned withholding permission to the candidates applying for/appearing at the examination, their applications will be liable to be rejected/candidatures will be liable to be cancelled.

**NOTE-4:** WHILE FILLING IN THE APPLICATION FORM, THE CANDIDATE SHOULD CAREFULLY DECIDE ABOUT HIS CHOICE FOR THE CENTRE FOR THE EXAMINATION.

**IF ANY CANDIDATE APPEARS AT A CENTRE OTHER THAN THE ONE INDICATED BY THE COMMISSION IN HIS E-ADMISSION CERTIFICATE, THE PAPERS OF SUCH A CANDIDATE WILL NOT BE VALUED AND HIS CANDIDATURE WILL BE LIABLE TO CANCELLATION.**

**NOTE-5 :** APPLICATIONS WITHOUT THE PRESCRIBED FEE (UNLESS REMISSION OF FEE IS CLAIMED AS IN PARA 4 ABOVE) OR INCOMPLETE APPLICATIONS SHALL BE SUMMARILY REJECTED. NO REPRESENTATION OR CORRESPONDENCE REGARDING SUCH REJECTION SHALL BE ENTERTAINED UNDER ANY CIRCUMSTANCES. CANDIDATES ARE NOT REQUIRED TO SUBMIT ALONG WITH THEIR APPLICATIONS ANY CERTIFICATE IN SUPPORT OF THEIR CLAIMS REGARDING AGE, EDUCATIONAL QUALIFICATIONS, SCHEDULED CASTES/SCHEDULED TRIBES/OTHER BACKWARD CLASSES AND FEE REMISSION ETC EXCEPT THE PHOTO ID CARD. THEY SHOULD THEREFORE, ENSURE THAT THEY FULFIL ALL THE ELIGIBILITY CONDITIONS FOR ADMISSION TO THE EXAMINATION. THEIR ADMISSION TO THE EXAMINATION WILL ALSO THEREFORE BE PURELY PROVISIONAL. IF ON VERIFICATION AT ANY LATER DATE IT IS FOUND THAT THEY DO NOT FULFIL ALL ELIGIBILITY CONDITIONS, THEIR CANDIDATURE WILL BE CANCELLED. THE RESULT OF THE WRITTEN PART OF THE EXAMINATION IS LIKELY TO BE DECLARED IN THE MONTH OF **DECEMBER, 2019**. All the candidates who have successfully qualified in the written examination are required to register themselves online on Directorate General of Recruiting website [www.joinindianarmy.nic.in](http://www.joinindianarmy.nic.in). E-mail ID as provided to UPSC while filling UPSC online application should invariably be used while registering on [www.joinindianarmy.nic.in](http://www.joinindianarmy.nic.in). Candidates must ensure that their e-mail Ids given in their online applications are valid and active. These candidates would then be allotted Selection Centres through the aforesaid website. In case of any problems/queries, candidates should contact Directorate General of Recruiting on the telephone numbers given on their website or through feedback / query module after logging on to their profile.

**NOTE-6 :** CANDIDATES WHO HAVE PASSED WRITTEN TEST ARE NOT REQUIRED TO SUBMIT THEIR ORIGINAL CERTIFICATE OF AGE AND EDUCATIONAL QUALIFICATION EITHER TO DIRECTORATE

GENERAL OF RECRUITING, ARMY HQ, WEST BLOCK-III, RK PURAM, NEW DELHI-110066 OR TO NAVAL HEADQUARTERS, DMPR, OI&R SECTION, 'C' WING, SENA BHAWAN, NEW DELHI-110011.

ALL CANDIDATES CALLED FOR SSB INTERVIEW MUST CARRY THEIR ORIGINAL MATRICULATION CERTIFICATE OR EQUIVALENT EXAMINATION CERTIFICATE TO THE SERVICES SELECTION BOARD (SSB). ORIGINALS WILL HAVE TO BE PRODUCED BY THE CANDIDATES WHO QUALIFY AT THE SSB INTERVIEW SOON AFTER THE INTERVIEW. THE ORIGINALS WILL BE RETURNED AFTER VERIFICATION. THOSE CANDIDATES WHO HAVE ALREADY PASSED 10+2 EXAMINATION MUST CARRY THEIR ORIGINAL 10+2 PASS CERTIFICATE OR MARKS SHEET FOR THE SSB INTERVIEW. IF ANY OF THEIR CLAIMS IS FOUND TO BE INCORRECT THEY MAY RENDER THEMSELVES LIABLE TO DISCIPLINARY ACTION BY THE COMMISSION IN TERMS OF THE FOLLOWING PROVISIONS:

A candidate who is or has been declared by the Commission to be guilty of :—

- (i) Obtaining support for his candidature by the following means, namely :—
  - (a) offering illegal gratification to; or
  - (b) applying pressure on; or
  - (c) blackmailing, or threatening to blackmail any person connected with the conduct of the examination; or
- (ii) impersonation; or
- (iii) procuring impersonation by any person; or
- (iv) submitting fabricated documents or documents which have been tampered with; or
- (v) uploading irrelevant photos in the application form in place of actual photo/signature.
- (vi) making statements which are incorrect or false or suppressing material information; or
- (vii) resorting to the following means in connection with his candidature for the examination, namely :—
  - (a) obtaining copy of question paper through improper means;
  - (b) finding out the particulars of the persons connected with secret work relating to the examination;
  - (c) influencing the examiners; or
- (viii) being in possession of or using unfair means during the examination; or
- (ix) writing obscene matter or drawing obscene sketches or irrelevant matter in the scripts; or
- (x) misbehaving in the examination hall including tearing of the scripts, provoking fellow examinees to boycott examination, creating a disorderly scene and the like; or

- (xi) harassing or doing bodily harm to the staff employed by the Commission for the conduct of their examination; or
- (xii) being in possession of or using any mobile phone, (even in switched off mode), pager or any electronic equipment or programmable device or storage media like pen drive, smart watches etc. or camera or bluetooth devices or any other equipment or related accessories either in working or switched off mode capable of being used as a communication device during the examination; or
- (xiii) violating any of the instructions issued to candidates along with their admission certificates permitting them to take the examination; or
- (xiv) attempting to commit or, as the case may be, abetting the commission of all or any of the acts specified in the foregoing clauses;  
may in addition to rendering himself liable to criminal prosecution, be liable :—
  - (a) to be disqualified by the Commission from the Examination for which he is a candidate; and/or
  - (b) to be debarred either permanently or for a specified period :—
    - (i) by the Commission, from any examination or selection held by them;
    - (ii) by the Central Government from any employment under them; and
  - (c) if he is already in service under Government to disciplinary action under the appropriate rules :  
Provided that no penalty under this rule shall be imposed except after :—
    - (i) giving the candidate an opportunity of making such representation in writing as he may wish to make in that behalf; and
    - (ii) taking the representation, if any, submitted by the candidate within the period allowed to him into consideration.

#### **6. LAST DATE FOR SUBMISSION AND WITHDRAWAL OF APPLICATIONS:**

- (i) The Online Applications can be filled upto **03<sup>rd</sup> September, 2019** till 6:00 PM.
- (ii) The online Applications can be withdrawn from **10.09.2019** to **17.09.2019** till 6:00 PM. Detailed instructions regarding withdrawal of Applications is available at Appendix-II (B).

#### **7. TRAVELLING ALLOWANCE:**

Candidates appearing for SSB interview for the first time for a particular type of Commission i.e. Permanent or Short Service, shall be entitled for AC III Tier to and fro railway fare or bus fare including reservation cum sleeper charges within the Indian limits. Candidates who apply again for the same type of Commission will not be entitled to travelling allowance on any subsequent occasion.

#### **8. CORRESPONDENCE WITH THE COMMISSION / ARMY / NAVAL /AIR HEADQUARTERS:**

The Commission will not enter into any correspondence with the candidates about their candidature except in the following cases :

(i) The eligible candidates shall be issued an e-Admit Card three weeks before the commencement of the examination. The e-Admit Card will be made available in the UPSC website [upsc.gov.in] for being downloaded by candidates. No Admit Card will be sent by post. For downloading the e-Admit Card the candidate must have his vital parameters like RID & Date of Birth or Roll No. (if received) & date of birth or name, father's name & Date of Birth available with him.

(ii) If a candidate does not receive his e-Admit Card or any other communication regarding his candidature for the examination one week before the commencement of the examination, he should at once contact the Commission. Information in this regard can also be obtained from the Facilitation Counter located in the Commission's Office either in person or over Phone Nos. 011-23385271/011-23381125/011-23098543 Extn 4119, 4120. In case no communication is received in the Commission's Office from the candidate regarding non-receipt of his e-Admit Card at least one week before the examination, he himself will be solely responsible for non-receipt of his e-Admit Card.

(iii) No candidate will ordinarily be allowed to take the examination unless he holds a certificate of admission for the examination. On receipt of e-Admit Card, check it carefully and bring discrepancies/errors, if any, to the notice of the UPSC immediately. The courses to which the candidates are admitted will be according to their eligibility as per educational qualifications for different courses and the preferences given by the candidates.

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. This will be subject to verification of all the eligibility conditions.

(iv) If a candidate receives an e-Admit Card in respect of some other candidate on account of processing error, it should be notified to the Commission with a request to issue the correct e-Admit Card. Candidates may note that they will not be allowed to take the examination on the strength of an **e-Admit Card** issued in respect of another candidate.

(v) The decision of the Commission as to the acceptance of the application of a candidate and his eligibility or otherwise for admission to the Examination shall be final.

(vi) Candidates should note that the name in the e-Admit Card in some cases, may be abbreviated due to technical reasons.

(vii) Candidates must ensure that their e.mail Ids given in their online applications are valid and active.

**IMPORTANT** : All Communications to the Commission should invariably contain the following particulars.

1. Name and year of the examination.
2. Registration ID (RID).
3. Roll Number (if received).
4. Name of candidate (in full and in block letters).
5. Postal Address as given in the application.

**N.B. (i)** : Communications not containing the above particulars may not be attended to.

**N.B. (ii)** : If a letter/communication is received from a candidate after an examination has been held and it does not give his full name and roll number, it will be ignored and no action will be taken thereon. Candidates recommended by the Commission for interview by the Services Selection Board who have changed their addresses subsequent to the submission of their applications for the examination should immediately after announcement of the result of the written part of the examination notify the changed address also to :—

For candidates with Army as first choice—Army Headquarters, A.G's Branch, RTG (NDA Entry), West Block-III, Wing-1, R. K. Puram, New Delhi-110066, Phone No. 26175473.

For candidates with Navy/Naval Academy as first choice— Naval Headquarters, Directorate of Manpower & Recruitment, OI&R Section, R. No. 204, 'C' Wing, Sena Bhawan, New Delhi-110011, Phone No. 23010097/23011282.

For candidates with Air Force as first choice—Air Headquarters, Directorate of Personnel (Officers), PO 3 (A), Room No. 17, 'J' Block, Opp. Vayu Bhawan, Motilal Nehru Marg, New Delhi-110106, Phone No. 23010231 Extn. 7645/7646/7610..

FAILURE TO COMPLY WITH THIS INSTRUCTION WILL DEPRIVE THE CANDIDATE OF ANY CLAIM TO CONSIDERATION IN THE EVENT OF HIS NOT RECEIVING THE SUMMONS LETTER FOR INTERVIEW BY THE SERVICES SELECTION BOARD.

AFTER HAVING CLEARED THE WRITTEN EXAMINATION THE CANDIDATES SHOULD LOG ON TO THE FOLLOWING WEBSITES FOR THEIR SSB CENTRE & DATE OF INTERVIEW :-

**[www.joinindianarmy.nic.in](http://www.joinindianarmy.nic.in)**  
**[www.joinindiannavy.gov.in](http://www.joinindiannavy.gov.in)**  
**[www.careerindianairforce.cdac.in](http://www.careerindianairforce.cdac.in)**

Candidates whose names have been recommended for interview by the Services Selection Board should address enquiries or requests, if any, relating to their interview or visit website of respective service headquarters after 20 days from the announcement of written results as follows :—

For candidates with Army as first choice—Army Headquarters, AG's Branch, RTG (NDA Entry), West Block-III, Wing-1, R.K. Puram, New Delhi - 110 066, Phone No. 26175473 or [joinindianarmy.nic.in](http://joinindianarmy.nic.in)

For candidates with Navy/Naval Academy as first choice—Naval Headquarters, Directorate of Manpower & Recruitment, O.I. & R. Section, Room No. 204, 'C' Wing, Sena Bhavan, New Delhi-110011, Phone No. 23010097/Email : [officer-navy@nic.in](mailto:officer-navy@nic.in) or [joinindiannavy.gov.in](http://joinindiannavy.gov.in)

For candidates with Air Force as first choice—Air Headquarters, Directorate of Personnel (Officers), PO 3 (A), Room No. 17, 'J' Block, Opp. Vayu Bhawan, Motilal Nehru Marg, New Delhi-110106, Phone No. 23010231 Extn. 7645/7646/7610 or [www.careerindianairforce.cdac.in](http://www.careerindianairforce.cdac.in)

Candidates are required to report for SSB interview on the date intimated to them in the call up letter for interview. Requests for postponing interview will only be considered in exceptional circumstances and that too if it is administratively convenient for which Army Headquarters will be the sole deciding authority. Such requests should be addressed to the Administrative Officer of the Selection Centre from where the call letter for interview has been received. No action will be taken on letters received by Army/Navy/Air HQs. SSB interview for the candidates qualified in the written examination is likely to be held during the months of January 2020 to April 2020 or as suitable to Recruiting Directorate. For all queries regarding Merit list, joining instructions and any other relevant information regarding selection process, please visit our website [joinindianarmy.nic.in](http://joinindianarmy.nic.in).

#### **9. ANNOUNCEMENT OF THE RESULTS OF THE WRITTEN EXAMINATION, INTERVIEW OF QUALIFIED CANDIDATES, ANNOUNCEMENT OF FINAL RESULTS AND ADMISSION TO THE TRAINING COURSES OF THE FINALLY QUALIFIED CANDIDATES:**

The Union Public Service Commission shall prepare a list of candidates who obtain the minimum qualifying marks in the written examination as fixed by the Commission at their discretion. Such candidates shall appear before a Services Selection Board for Intelligence and Personality Test where candidates for the Army/Navy wings of the NDA and 10+2 Cadet Entry Scheme of Indian Naval Academy will be assessed on Officers Potentiality and those for the Air Force in **addition to the above will have to qualify Computerised Pilot Selection System (CPSS). Candidates with Air Force as one of the choice would also undergo CPSS if they qualify SSB and are willing.**

## TWO-STAGE SELECTION PROCEDURE

Two-stage selection procedure based on Psychological Aptitude Test and Intelligence Test has been introduced at Selection Centres/Air Force Selection Boards/Naval Selection Boards. All the candidates will be put to stage-one test on first day of reporting at Selection Centres/Air Force Selection Boards/Naval Selection Boards. Only those candidates who qualify at stage one will be admitted to the second stage/remaining tests. Those candidates who qualify stage II will be required to submit the Original Certificates along with one photocopy each of: (i) Original Matriculation pass certificate or equivalent in support of date of birth, (ii) Original 10+2 pass certificate or equivalent in support of educational qualification.

Candidates who appear before the Services Selection Board and undergo the test there, will do so at their own risk and will not be entitled to claim any compensation or other relief from Government in respect 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 Services Selection Board whether due to the negligence of any person or otherwise. Parents or guardians of the candidates will be required to sign a certificate to this effect.

To be acceptable, candidates for the Army/Navy/Naval Academy and Air Force should secure the minimum qualifying marks separately in (i) Written examination as fixed by the Commission at their discretion and (ii) Officer Potentiality Test as fixed by the Services Selection Board at their discretion. Over and above candidates for the Air Force, and all the SSB qualified candidates as per their willingness, eligibility and preference for flying branch of Air Force, should separately qualify the CPSS.

Subject to these conditions the qualified candidates will then be placed in a single combined list on the basis of total marks secured by them in the Written Examination and the Services Selection Board Tests. The final allocation/selection for admission to the Army, Navy, Air Force of the National Defence Academy and 10+2 Cadet Entry Scheme of Indian Naval Academy will be made upto the number of vacancies available subject to eligibility, medical fitness and merit-cum-preference of the candidates. The candidates who are eligible to be admitted to multiple Services/Courses will be considered for allocation/selection with reference to their order or preferences and in the event of their final allocation/ selection to one Service/Course, they will not be considered for admission to other remaining Services/Courses.

**N.B.: EVERY CANDIDATE FOR THE FLYING BRANCH OF AIR FORCE IS GIVEN COMPUTERISED PILOT SELECTION SYSTEM (CPSS) (PILOT APTITUDE TEST) ONLY ONCE. THE GRADES SECURED BY HIM AT THE FIRST TEST WILL THEREFORE HOLD GOOD FOR EVERY SUBSEQUENT INTERVIEW HE HAS WITH THE**



**AIR FORCE SELECTION BOARD. A CANDIDATE WHO FAILS IN THE CPSS CANNOT APPLY FOR ADMISSION TO THE NATIONAL**

**DEFENCE ACADEMY EXAMINATION FOR THE FLYING BRANCH OF AIR FORCE WING OR GENERAL DUTIES (PILOT) BRANCH OR NAVAL AIR ARM.**

Candidates who have been given the Computerised Pilot Selection System (CPSS) for any previous N.D.A. course should submit their application for this examination for the Air Force Wing only if they have been notified as having qualified in CPSS. In case a candidate has failed in CPSS/not tested for CPSS for being HWG, the candidate would be considered for Ground Duty branch of IAF, Navy, Army and NAVAC as per his choices.

The form and manner of communication of the result of the examination to individual candidates shall be decided by the Commission at their discretion and the Commission will not enter into correspondence with them regarding the result.

Success in the examination confers no right of admission to the Academy. A candidate must satisfy the appointing authority that he is suitable in all respects for admission to the Academy.

**10. DISQUALIFICATION FOR ADMISSION TO THE TRAINING COURSE:**

Candidates who were admitted to an earlier course at the National Defence Academy, or to the 10 + 2 Cadet Entry Scheme of Indian Naval Academy but were removed there from for lack of officer-like qualities or on disciplinary grounds will not be admitted to the Academy.

Candidates who were previously withdrawn from the National Defence Academy or Indian Naval Academy on medical grounds or left the above Academy voluntarily are however, eligible for admission to the Academy provided they satisfy the medical and other prescribed conditions.

11. The details regarding (a) the scheme and syllabus of the examination, (b) guidelines for filling up the online Application Form (c) Special Instructions to candidates for objective type tests, (d) Physical standards for admission to the National Defence Academy and Naval Academy and (e) Brief particulars of the service etc., for candidates joining the National Defence Academy and Naval Academy are given in Appendices I, II, III, IV and V respectively.

12. **WITHDRAWAL OF APPLICATIONS:** THE COMMISSION HAS INTRODUCED THE FACILITY OF WITHDRAWAL OF APPLICATION FOR THOSE CANDIDATES WHO DO NOT WANT TO APPEAR FOR THE EXAMINATION. INSTRUCTIONS ARE GIVEN IN APPENDIX-II (B).

**(Om Prakash)**  
**Under Secretary**  
**Union Public Service Commission**

**APPENDIX-I**  
**(The Scheme and Syllabus of Examination)**

**A. SCHEME OF EXAMINATION**

1. The subjects of the written examination, the time allowed and the maximum marks allotted to each subject will be as follows: –

<b>Subject</b>	<b>Code</b>	<b>Duration</b>	<b>Maximum Marks</b>
Mathematics	01	2½ Hours	300
General Ability Test	02	2½ Hours	600
Total			900
SSB Test/Interview:			900

2. THE PAPERS IN ALL THE SUBJECTS WILL CONSIST OF OBJECTIVE TYPE QUESTIONS ONLY. THE QUESTION PAPERS (TEST BOOKLETS) OF MATHEMATICS AND PART “B” OF GENERAL ABILITY TEST WILL BE SET BILINGUALLY IN HINDI AS WELL AS ENGLISH.

3. In the question papers, wherever necessary, questions involving the metric system of Weights and Measures only will be set.

4. Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answers for them.

5. The Commission have discretion to fix qualifying marks in any or all the subjects at the examination.

6. The candidates are not permitted to use calculator or Mathematical or logarithmic table for answering objective type papers (Test Booklets). They should not therefore, bring the same inside the Examination Hall.

**B. SYLLABUS OF THE EXAMINATION**

**PAPER-I**  
**MATHEMATICS**

**(Code No. 01)**  
**(Maximum Marks-300)**

1. ALGEBRA

Concept of set, operations on sets, Venn diagrams. De Morgan laws, Cartesian product, relation, equivalence relation.

Representation of real numbers on a line. Complex numbers—basic properties, modulus, argument, cube roots of unity. Binary system of numbers. Conversion of a number in decimal system to binary system and vice-versa. Arithmetic, Geometric and Harmonic progressions. Quadratic equations with real coefficients. Solution of linear inequations of two variables by graphs. Permutation and Combination. Binomial theorem and its applications. Logarithms and their applications.

2. MATRICES AND DETERMINANTS :

Types of matrices, operations on matrices. Determinant of a matrix, basic properties of determinants. Adjoint and inverse of a square matrix, Applications-Solution of a system of linear equations in two or three unknowns by Cramer's rule and by Matrix Method.

3. TRIGONOMETRY :

Angles and their measures in degrees and in radians. Trigonometrical ratios. Trigonometric identities Sum and difference formulae. Multiple and Sub-multiple angles. Inverse trigonometric functions. Applications-Height and distance, properties of triangles.

4. ANALYTICAL GEOMETRY OF TWO AND THREE DIMENSIONS:

Rectangular Cartesian Coordinate system. Distance formula. Equation of a line in various forms. Angle between two lines. Distance of a point from a line. Equation of a circle in standard and in general form. Standard forms of parabola, ellipse and hyperbola. Eccentricity and axis of a conic. Point in a three dimensional space, distance between two points. Direction Cosines and direction ratios. Equation two points. Direction Cosines and direction ratios. Equation of a plane and a line in various forms. Angle between two lines and angle between two planes. Equation of a sphere.

5. DIFFERENTIAL CALCULUS :

Concept of a real valued function—domain, range and graph of a function. Composite functions, one to one, onto and inverse functions. Notion of limit, Standard limits—examples. Continuity of functions—examples, algebraic operations on continuous functions. Derivative of function at a point, geometrical and physical interpretation of a derivative—applications. Derivatives of sum, product and quotient of functions, derivative of a function with respect to another function,

derivative of a composite function. Second order derivatives. Increasing and decreasing functions. Application of derivatives in problems of maxima and minima.

## 6. INTEGRAL CALCULUS AND DIFFERENTIAL EQUATIONS :

Integration as inverse of differentiation, integration by substitution and by parts, standard integrals involving algebraic expressions, trigonometric, exponential and hyperbolic functions. Evaluation of definite integrals—determination of areas of plane regions bounded by curves—applications.

Definition of order and degree of a differential equation, formation of a differential equation by examples. General and particular solution of a differential equations, solution of first order and first degree differential equations of various types—examples. Application in problems of growth and decay.

## 7. VECTOR ALGEBRA :

Vectors in two and three dimensions, magnitude and direction of a vector. Unit and null vectors, addition of vectors, scalar multiplication of a vector, scalar product or dot product of two vectors. Vector product or cross product of two vectors. Applications—work done by a force and moment of a force and in geometrical problems.

## 8. STATISTICS AND PROBABILITY :

Statistics : Classification of data, Frequency distribution, cumulative frequency distribution—examples. Graphical representation—Histogram, Pie Chart, frequency polygon—examples. Measures of Central tendency—Mean, median and mode. Variance and standard deviation—determination and comparison. Correlation and regression.

Probability : Random experiment, outcomes and associated sample space, events, mutually exclusive and exhaustive events, impossible and certain events. Union and Intersection of events. Complementary, elementary and composite events. Definition of probability—classical and statistical—examples. Elementary theorems on probability—simple problems. Conditional probability, Bayes' theorem—simple problems. Random variable as function on a sample space. Binomial distribution, examples of random experiments giving rise to Binominal distribution.

**PAPER-II**  
**GENERAL ABILITY TEST**  
**(Code No. 02)**  
**(Maximum Marks – 600)**

**Part 'A' – ENGLISH** **(Maximum Marks – 200)**

The question paper in English will be designed to test the candidate's understanding of English and workman like use of words. The syllabus covers various aspects like : Grammar and usage, vocabulary, comprehension and cohesion in extended text to test the candidate's proficiency in English.

**Part 'B' – GENERAL KNOWLEDGE** **(Maximum Marks – 400)**

The question paper on General Knowledge will broadly cover the subjects : Physics, Chemistry, General Science, Social Studies, Geography and Current Events.

- The syllabus given below is designed to indicate the scope of these subjects included in this paper. The topics mentioned are not to be regarded as exhaustive and questions on topics of similar nature not specifically mentioned in the syllabus may also be asked. Candidate's answers are expected to show their knowledge and intelligent understanding of the subject.

**Section 'A' (Physics)**

Physical Properties and States of Matter, Mass, Weight, Volume, Density and Specific Gravity, Principle of Archimedes, Pressure Barometer.

Motion of objects, Velocity and Acceleration, Newton's Laws of Motion, Force and Momentum, Parallelogram of Forces, Stability and Equilibrium of bodies, Gravitation, elementary ideas of work, Power and Energy. Effects of Heat, Measurement of Temperature and Heat, change of State and Latent Heat, Modes of transference of Heat. Sound waves and their properties, Simple musical instruments. Rectilinear propagation of Light, Reflection and refraction. Spherical mirrors and Lenses, Human Eye.

Natural and Artificial Magnets, Properties of a Magnet, Earth as a Magnet.

Static and Current Electricity, conductors and Non-conductors, Ohm's Law, Simple Electrical Circuits, Heating, Lighting and Magnetic effects of Current, Measurement of Electrical Power, Primary and Secondary Cells, Use of X-Rays. General Principles in the working of the following:

Simple Pendulum, Simple Pulleys, Siphon, Levers, Balloon, Pumps, Hydrometer, Pressure Cooker, Thermos Flask, Gramophone, Telegraphs, Telephone, Periscope, Telescope, Microscope, Mariner's Compass; Lightning Conductors, Safety Fuses.

## **Section 'B' (Chemistry)**

Physical and Chemical changes. Elements, Mixtures and Compounds, Symbols, Formulae and simple Chemical Equations, Law of Chemical Combination (excluding problems). Properties of Air and Water.

Preparation and Properties of Hydrogen, Oxygen, Nitrogen and Carbondioxide, Oxidation and Reduction. Acids, bases and salts. Carbon – different forms. Fertilizers – Natural and Artificial. Material used in the preparation of substances like Soap, Glass, Ink, Paper, Cement, Paints, Safety Matches and Gun-Powder. Elementary ideas about the structure of Atom, Atomic Equivalent and Molecular Weights, Valency.

## **Section 'C' (General Science)**

Difference between the living and non-living. Basis of Life – Cells, Protoplasm and Tissues. Growth and Reproduction in Plants and Animals.

Elementary knowledge of Human Body and its important organs. Common Epidemics, their causes and prevention.

Food – Source of Energy for man. Constituents of food, Balanced Diet. The Solar System – Meteors and Comets, Eclipses. Achievements of Eminent Scientists.

## **Section 'D' (History, Freedom Movement etc.)**

A broad survey of Indian History, with emphasis on Culture and Civilisation.

Freedom Movement in India. Elementary study of Indian Constitution and Administration. Elementary knowledge of Five Year Plans of India. Panchayati Raj, Co-operatives and Community Development. Bhoodan, Sarvodaya, National Integration and Welfare State, Basic Teachings of Mahatma Gandhi.

Forces shaping the modern world; Renaissance, Exploration and Discovery; War of American Independence. French Revolution, Industrial Revolution and Russian Revolution. Impact of Science and Technology on Society. Concept of one World, United Nations, Panchsheel, Democracy, Socialism and Communism. Role of India in the present world.

## **Section 'E' (Geography)**

The Earth, its shape and size. Latitudes and Longitudes, Concept of time. International Date Line. Movements of Earth and their effects. Origin of Earth. Rocks and their classification; Weathering – Mechanical and Chemical, Earthquakes and Volcanoes. Ocean Currents and Tides Atmosphere and its composition; Temperature and Atmospheric Pressure, Planetary Winds, Cyclones and Anti-cyclones; Humidity; Condensation

and Precipitation; Types of Climate, Major Natural regions of the World. Regional Geography of India – Climate, Natural vegetation. Mineral and Power resources; location and distribution of agricultural and Industrial activities. Important Sea ports and main sea, land and air routes of India. Main items of Imports and Exports of India.

### **Section 'F' (Current Events)**

Knowledge of Important events that have happened in India in the recent years. Current important world events. Prominent personalities – both Indian and International including those connected with cultural activities and sports.

**NOTE :** Out of maximum marks assigned to part 'B' of this paper, questions on Sections 'A', 'B', 'C', 'D', 'E' and 'F' will carry approximately 25%, 15%, 10%, 20%, 20% and 10% weightages respectively.

### **Intelligence and Personality Test**

The SSB procedure consists of two stage Selection process - stage I and stage II. Only those candidates who clear the stage I are permitted to appear for stage II. The details are :

(a) Stage I comprises of Officer Intelligence Rating (OIR) tests are Picture Perception \* Description Test (PP&DT). The candidates will be shortlisted based on combination of performance in OIR Test and PP&DT.

(b) Stage II Comprises of Interview, Group Testing Officer Tasks, Psychology Tests and the Conference. These tests are conducted over 4 days. The details of these tests are given on the website [joinindianarmy.nic.in](http://joinindianarmy.nic.in).

The personality of a candidate is assessed by three different assessors viz. The Interviewing Officer (IO), Group Testing Officer (GTO) and the Psychologist. There are no separate weightage for each test. The mks are allotted by assessors only after taking into consideration the performance of the candidate holistically in all the test. In addition, marks for Conference are also allotted based on the initial performance of the Candidate in the three techniques and decision of the Board. All these have equal weightage.

The various tests of IO, GTO and Psych are designed to bring out the presence/absence of Officer Like Qualities and their trainability in a candidate. Accordingly candidates are Recommended or Not Recommended at the SSB.

## APPENDIX-II (A)

### INSTRUCTIONS TO THE CANDIDATES FOR FILLING ONLINE APPLICATION

Candidates are required to apply online by using the website [upsconline.nic.in](http://upsconline.nic.in).

Salient Features of the Online Applications Form are given hereunder:

- Detailed instructions for filling up Online Applications are available on the above mentioned website.
- Candidates will be required to complete the Online Application form containing two stages viz. Part I and Part II.
- The candidates are required to pay a fee of Rs. 100/- (Rupees one hundred only) [except SC/ST candidates and those specified in Note-2 of Para 4 of the Notice who are exempted from payment of fee] either by depositing the money in any branch of SBI by cash or by using net banking facility of State Bank of India or by using any Visa/MasterCard/Rupay Credit/Debit Card.
- Candidate should also have details of one photo ID viz. Aadhar Card/ Voter Card/ PAN Card/ Passport/ Driving License/ School Photo ID/Any other photo ID Card issued by the State/Central Government. The details of this photo ID will have to be provided by the candidate while filling up the online application form. The same photo ID card will also have to be uploaded with the Online Application Form. This photo ID will be used for all future referencing and the candidate is advised to carry this ID while appearing for examination/SSB.
- Before start filling up Online Application, a candidate must have his photograph and signature duly scanned in the .jpg format in such a manner that each file should not exceed 300 KB each and must not be less than 20 KB in size for the photograph and signature.
- Before start filling up Online Application, a candidate must have his photo identity card document in PDF format only. The digital size of PDF file should not exceed 300 KB and must not be less than 20 KB.
- The Online Applications (Part I and II) can be filled from 07<sup>th</sup> August, 2019 to 03<sup>rd</sup> September, 2019 till 6:00 PM.
- Applicants should avoid submitting multiple applications. However, if due to any unavoidable circumstances any applicant submits multiple applications then he must ensure that the applications with higher RID is complete in all respects.
- In case of multiple applications, the applications with higher RID shall be entertained by the Commission and fee paid against one RID shall not be adjusted against any other RID.
- The applicants must ensure that while filling their Application Form, they are providing their valid and active E-mail Ids as the Commission may use electronic mode of communication while contacting them at different stages of examination process.
- The applicants are advised to check their e-mails at regular intervals and ensure that the email addresses ending with @nic.in are directed to their inbox folder and not to the SPAM folder or any other folder.



- **Candidates are strongly advised to apply online well in time without waiting for the last date for submission of online application. Moreover, the Commission has introduced provision of withdrawal of application for the candidate, who does not want to appear at the Examination, he/she may withdraw his/her application.**

## **Appendix-II (B)**

### **IMPORTANT INSTRUCTIONS TO WITHDRAW APPLICATION**

1. Candidates are advised to go through the instructions carefully before filling up the request for withdrawal of application.
2. The Commission has provided the withdrawal facility from **10.09.2019 to 17.09.2019 (till 6:00 PM)** to those candidates who do not want to appear at this Examination.
3. Candidates are advised to provide the details of registered application with registration-id which was completed and submitted finally. There is no provision for withdrawing of incomplete applications.
4. Before making the request for withdrawal, candidate must ensure that they have access to the registered mobile number and email-id which were provided by them at the time of submission of application. Separate OTPs will be sent by the Commission on the registered mobile number and email-id. Request for withdrawal will be accepted only after it is confirmed by validating the OTP details sent on candidate's mobile and email-id. Such OTPs will be valid for 30 Minutes only.
- 5. Request for generating OTP for withdrawal of application will be accepted only till 5:30 PM on 17.09.2019.**
6. If a candidate has submitted more than one application form then the higher registration-id of Application (latest) will be considered for withdrawal and all earlier applications will be treated as cancelled automatically.
7. After the final acceptance of the request for online withdrawal of application, the candidate must print the authenticated receipt. Once application has been withdrawn by the candidate, it cannot be revived in future.
8. UPSC has no provision to refund any fee amount paid by candidates, so in case of successful withdrawal of application the fees will not be refunded.

9. On successful completion of withdrawal of application, an auto-generated email and SMS will be sent on candidate's registered email-id and mobile. In case any candidate has not submitted the request for withdrawal of application he/she may contact UPSC on email-id: [upscsoap@nic.in](mailto:upscsoap@nic.in) immediately.

10. Candidates are advised not to share the OTPs received on email and SMS to anybody.

### APPENDIX-III

#### Special Instructions to Candidates for objective type tests

##### 1. Articles permitted inside Examination Hall

Clip board or hard board (on which nothing is written) a good quality Black Ball Pen for marking responses on the Answer Sheet. Answer Sheet and sheet for rough work will be supplied by the invigilator.

##### 2. Articles not permitted inside Examination Hall

Do not bring into the Examination Hall any article other than those specified above e.g. books, notes, loose sheets, electronic or any other type of calculators, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Test Booklets and rough sheets pertaining to earlier session(s) etc.

**Mobiles, phones, Bluetooth, pagers or any other communication devices are not allowed inside the premises where the examination is being conducted. Any infringement of these instructions shall entail disciplinary action including ban from future examinations.**

**Candidates are advised in their own interest not to bring any of the banned items including mobile phones/Bluetooth/pagers to the venue of the examination, as arrangements for safekeeping cannot be assured. Candidates are advised not to bring any valuable/costly items to the Examination Halls, as safe keeping of the same cannot be assured. Commission will not be responsible for any loss in this regard.**

##### 3. Penalty for wrong Answers

**THERE WILL BE PENALTY (NEGATIVE MARKING) FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.**

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate. **One third (0.33)** of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate given more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above for that question.
- (iii) If a question is left blank i.e. no answer is given by the candidate, there will be **no penalty** for that question.

**4. Unfair means strictly prohibited**

No candidate shall copy from the papers of any other candidate nor permit his papers to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description.

**5. Conduct in Examination Hall**

No candidate should misbehave in any manner or create disorderly scene in the Examination Hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be severely penalised.

**6. Answer Sheet particulars**

(i) Write with Black ball pen your Centre and subject followed by test booklet series (in bracket), subject code and roll number at the appropriate space provided on the answer sheet at the top. Also encode your booklet series (A, B, C, or D as the case may be), subject code and roll number in the circles provided for the purpose in the answer sheet. The guidelines for writing the above particulars and for encoding the above particulars are given in Annexure. In case the booklet series is not printed on the test booklet or answer sheet is un-numbered, please report immediately to the invigilator and get the test booklet/answer sheet replaced.

(ii) Candidates should note that any omission/mistakes/discrepancy in encoding/filling of details in the OMR answer sheet, especially with regard to Roll Number and Test Booklet Series Code, will render the answer sheet liable for rejection.

(iii) Immediately after commencement of the examination please check that the test booklet supplied to you does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet of the same series and subject.

7. Do not write your name or anything other than the specific items of information asked for, on the answer sheet/test booklet/sheet for rough work.

8. Do not fold or mutilate or damage or put any extraneous marking in the Answer Sheet. Do not write anything on the reverse of the answer sheet.

9. Since the answer sheets will be evaluated on computerised machines, candidates should exercise due care in handling and filling up the answer sheets. **They should use black ball pen only to darken the circles. For writing in boxes, they should use black ball pen. Since the entries made by the candidates by darkening the circles will be taken into account while evaluating the answer sheets on computerised machines, they should make these entries very carefully and accurately.**

**10. Method of marking answers**

In the 'OBJECTIVE TYPE' of examination, you do not write the answers. For each question (hereinafter referred to as "Item") several suggested answers (hereinafter referred to as "Responses") are given. You have to choose one response to each item. The question paper will be in the Form of TEST BOOKLET. The booklet will contain item bearing numbers 1, 2, 3.....etc. Under each item, Responses marked (a), (b), (c), (d) will be given. Your task will be to choose the correct response. If you think there is more than one correct response, then choose what you consider the best response.

In any case, for each item you are to select only one response, if you select more than one response, your response will be considered wrong.

In the Answer Sheet, Serial Nos. From 1 to 160 are printed. Against each numbers, there are circles marked (a), (b), (c) and (d). After you have read each item in the Test Booklet and decided which one of the given responses is correct or the best. **You have to mark your response by completely blackening with black ball pen to indicate your response.**

For example, if the correct answer to item 1 is (b), then the circle containing the letter (b) is to be completely blackened with black ball pen as shown below :- Example : (a) • (c) (d)

**11. Entries in Scannable Attendance List.**

Candidates are required to fill in the relevant particulars with **black ball pen** only against their columns in the Scannable Attendance List, as given below.

- i) Blacken the circle (P) under the column (Present/ Absent)
- ii) Blacken the relevant circle for Test Booklet Series
- iii) Write Test Booklet Serial No.
- iv) Write the Answer Sheet Serial No. and also blacken the Corresponding circles below.
- v) Append signature in the relevant column.

- 12.** Please read and abide by the instructions on the cover of Test Booklet. If any candidate indulges in disorderly or improper conduct he will render himself liable for disciplinary action and/or imposition of a penalty as the Commission may deem fit.

## ANNEXURE

### How to fill in the Answer Sheet of objective type tests in the Examination Hall

Please follow these instructions very carefully. You may note that since the answer sheets are to be evaluated on machine, any violation of these instructions may result in reduction of your score for which you yourself be responsible. Before you mark your responses on the Answer Sheet, you will have to fill in various particulars in it.

As soon as the candidate receives the Answer Sheet, he should check that it is numbered at the bottom. If it is found un-numbered he should at once get it replaced by a numbered one.



circle marked 'A' below the Booklet Series and below the subject code blacken completely the Circles for "0" (in the first vertical column) and "1" (in the second vertical column). You should then encode the Roll No.081276. Do it thus similarly:

**Important** : Please ensure that you have carefully encoded your subject. Test Booklet series and Roll Number:

\*This is just illustrative and may not be relevant to your Examination.

#### **APPENDIX-IV**

### **GUIDELINES FOR PHYSICAL STANDARDS FOR ADMISSION TO THE NATIONAL DEFENCE ACADEMY.**

**NOTE:** CANDIDATES MUST BE PHYSICALLY AND MENTALLY FIT ACCORDING TO THE PRESCRIBED PHYSICAL STANDARDS. MEDICAL FITNESS CRITERIA GIVEN BELOW ARE AS PER EXISTING GUIDELINES AS ON DATE OF PUBLICATION AND THESE GUIDELINES ARE SUBJECT TO REVISION.

A NUMBER OF QUALIFIED CANDIDATES ARE REJECTED SUBSEQUENTLY ON MEDICAL GROUNDS. CANDIDATES ARE THEREFORE ADVISED IN THEIR OWN INTEREST TO GET THEMSELVES MEDICALLY EXAMINED BEFORE SUBMITTING THEIR APPLICATIONS TO AVOID DISAPPOINTMENT AT THE FINAL STAGE.

Candidates are also advised to rectify minor defects/ailments in order to speed up finalisation of medical examination conducted at the Military Hospital after being recommended at the SSB.

Few of such commonly found defects/ailments are listed below :

- (a) Wax (Ears)
- (b) Deviated Nasal Septum
- (c) Hydrocele/Phimosis

- (d) Overweight/Underweight
- (e) Under Sized Chest
- (f) Piles
- (g) Gynaecomastia
- (h) Tonsillitis
- (i) Varicocele

**NOTE :** Permanent body tattoos are only permitted on inner face of forearm i.e. 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 and candidates will be barred from further selection. Tribes with tattoo marks on the face or body as per their existing custom and traditions will be permitted on a case to case basis. Comdt Selection Centre will be competent auth for clearing such cases.

Civilian candidates appearing for all types of commission in the Armed Forces will be entitled to out-patients treatment from service sources at public expense for injuries sustained or diseases contracted during the course of their examination by the Selection Board. They will also be entitled to in-patient treatment at public expense in the Officer's ward of a hospital provided –

- (a) the injury is sustained during the tests or,
- (b) the disease is contracted during the course of the examination by selection board and there is no suitable accommodation in local civil hospital or it is impracticable to remove the patient to the civil hospital; or,
- (c) the medical board requires the candidate's admission for observation.

**NOTE:** They are not entitled to special nursing.

For Medical Standards for Air Force (Flying Branch and Ground Duty Branch) refer Annexure 'A' to this Appendix.

A candidate recommended by the Services Selection Board will undergo a medical examination by a Board of Service Medical Officers. Only those candidates will be admitted to the academy who are declared fit by the Medical Board. The proceedings of the Medical Board are confidential and

will not be divulged to anyone. However, the candidates declared unfit will be intimated by the President of the Medical Board and the procedure for request for an Appeal Medical Board will also be intimated to the candidate. Candidates declared unfit during Appeal Medical Board will be intimated about the provision of Review Medical Board.

- (a) The candidate must be in good physical and mental health and free from any disease/disability which is likely to interfere with the efficient performance of Military duties.

(b) There should be no evidence of weak constitution, bodily defects or under weight. The Candidate should not be overweight or obese.

(c) The minimum acceptable height is 157 cms(162.5 cms. for Air Force). For Gorkhas and individuals belonging to hills of North-Eastern regions of India, Garhwal and Kumaon, the minimum acceptable heights will be 5 cms. less. In case of candidates from Lakshadweep the minimum acceptable height can be reduced by 2 cms. Height and weight standards are given below :

**HEIGHT/WEIGHT STANDARDS FOR  
ARMY/AIR FORCE**

**TABLE-I**

Height in Centimetres (Without shoes)	Weight in Kgs.		
	16-17 years	17-18 years	18-19 years
1	2	3	4
152	42.5	44.0	45.0
155	43.5	45.3	47.0
157	45.0	47.0	48.0
160	46.5	48.0	49.0
162	48.0	50.0	51.0
165	50.0	52.0	53.0
167	51.0	53.0	54.0
170	52.5	55.0	56.0
173	54.5	57.0	58.0
175	56.0	59.0	60.0
178	58.0	61.0	62.0
180	60.0	63.0	64.5
183	62.5	65.0	66.5

**NOTE 1:** Height relaxable upto 2.5 cm may be allowed where the Medical Board certifies that the candidate is likely to grow and come up to the required standard on completion of his training.

**HEIGHT/WEIGHT STANDARDS FOR NAVY**

**TABLE-II**

Height in Centimetres (Without shoes)	Weight in Kgs.		
	16 years	18 years	20 years
1	2	3	4
152	44	45	46
155	45	46	47
157	46	47	49
160	47	48	50



162	48	50	52
165	50	52	53
168	52	53	55
170	53	55	57
173	55	57	59
175	57	59	61
178	59	61	62
180	61	63	64
183	63	65	67

“Individual’s weight is considered normal if it is within  $\pm 10\%$  departure from average weight given in the table I and II”. However, in individuals with heavy bones and broad build as well as individuals with thin build but otherwise healthy this may be relaxed to some extent on merit.

**NOTE 1 :** To meet special requirement as a pilot in the Air Force the acceptable measurements of leg length, thigh length and sitting height will be as under :

	Minimum	Maximum
Leg Length	99.00 cms.	120.00 cms.
Thigh Length	–	64.00 cms.
Sitting Height	81.50 cms.	96.00 cms.

(d) Chest should be well developed. Fully expanded chest should not be less than 81 cms. The minimum range of expansion after full inspiration should be 5 cms. The measurement will be taken with a tape so adjusted that its lower edge should touch the nipple in front and the upper part of the tape should touch the lower angle of the shoulder blades behind. X-Ray of the chest is compulsory and will be taken to rule out any disease of the chest.

(e) There should be no maldevelopment or impairment of function of the bones or joint.

### **Spinal Conditions**

(f) Past medical history of diseases or injury of the spine or sacro iliac joints, either with or without objective signs which have prevented the candidate from successfully following a physically active life, is a cause for rejection for commissioning in IAF. History of spinal fracture/prolapsed intervertebral disc and surgical treatment for these conditions will entail rejection. The following conditions detected radiologically during medical exam will disqualify a candidate for Air Force service:

- (i) Granulomatous disease of spine
- (ii) **Arthritis/spondylosis**
  - Rheumatoid arthritis and allied disorders
  - Ankylosing spondylitis
  - Osteoarthritis, spondylosis and degenerative joint disease

- Non articular rheumatism (e.g. lesions of the rotator cuff, tennis elbow, recurrent lumbago etc.)
- Miscellaneous disorders including SLE, , polymyositis, vasculitis.
- (iii) Spondylolisthesis/spondylolysis.
- (iv) Compression fracture of vertebrae.
- (v) Scheuerman's disease (Adolescent kyphosis)
- (vi) Loss of cervical lordosis when associated with clinically restricted movements of cervical spine.
- (vii) Unilateral/Bilateral cervical ribs with demonstrable neurological or circulatory deficit.
- (viii) Scoliosis more than 15 degree as measured by Cobb's method.
- (ix) Degenerative Disc. Disease.
- (x) Atlanto-occipital and atlantoaxial anomalies.
- (xi) Hemi vertebrae and/or incomplete block (fused) vertebrae at any level in cervical, dorsal or lumbar spine and complete block (fused) vertebrae at more than one level in cervical or dorsal spine.
- (xii) Unilateral Sacralisation or lumbarisation (Complete or incomplete) at all levels and bilateral incomplete sacralisation or lumbarisation.
- (xiii) Any other abnormality if so considered by the specialist.

(g) Mild Kyphosis or Lordosis where deformity is barely noticeable and there is no pain or restriction of movement will not preclude acceptance.

(h) In case of noticeable Scoliosis or suspicion of any other abnormality or spinal deformity, more than mild, appropriate X-rays of the spine are to be taken and the Examinee referred for specialist's advice.

(i) Routine X-ray Spine is not carried out for Navy candidates. However, if the same is done for any other purpose, the candidates with the following conditions will be disqualified for entry to Armed Forces:

- (i) Granulomatous disease of spine.
- (ii) **Arthritis**/spondylosis - Rheumatoid arthritis & allied disorders and ankylosing spondylitis.
- (iii) Scoliosis more than 15 degree as measured by Cobb's Method (10 degree for Army and Navy).
- (iv) More than mild Kyphosis/Lordosis
- (v) Spondylolisthesis/Spondylosis/Spondylolysis
- (vi) Herniated nucleus pulposus.
- (vii) Compression fracture of Vertebra.
- (viii) Sacralisation Disease
- (ix) Cervical ribs with demonstrable neurological or Circulatory deficit.
- (x) Presence of Schmorl's node at more than one level. (This serial be treated as deleted for Air Force candidates).
- (xi) Atlanto-occipital and atlanto-axial anomalies.
- (xii) Incomplete Sacralisation Unilateral or Bilateral

(xiii) Spina Bifida other than SV 1 and LV 5 if completely Sacralised

(xiv) Any other abnormality, if so considered by specialist.

(j) A candidate should have no past history of mental breakdown or fits.

(k) The hearing should be normal. A candidate should be able to hear a forced whisper with each ear at a distance of 610 cms. in a quiet room. There should be no evidence of present or past disease of the ear, nose and throat. Audiometric test will be done for AF. Audiometric hearing loss should not be greater than 20 db in frequencies between 250 and 8000 Hz. There is no impediment of speech.

(l) There should be no signs of functional or organic disease of the heart and blood vessels. Blood pressure should be normal.

(m) There should be no enlargement of liver or spleen. Any evidence of disease of internal organs of the abdomen will be a cause for rejection.

(n) Un-operated hernias will make a candidate unfit. In case of Hernia which has been operated, a minimum of **one year** must have passed prior to final medical examination before commencement of the course.

(o) There should be no hydrocele, varicocele or piles.

(p) Urine examination will be done and any abnormality if detected will be a cause for rejection.

(q) Any disease of skin which is likely to cause disability or disfigurement will also be a cause for rejection.

(r) Distance Vision (Corrected): Better Eye 6/6; Worse Eye 6/9. Myopia should not be more than -2.5D including astigmatism and manifest hypermetropia not more than +3.5D including Astigmatism. Internal examination of the eye will be done by means of ophthalmoscope to rule out any disease of the eye. A candidate must have good binocular vision. The Colour vision standard will be **CP-III (Defective Safe)**. Candidates should be able to recognize white, signal red and signal green colours correctly as shown by Martin's Lantern at a distance of 1.5 metre or read the requisite plate of Ishihara Book / Tokyo Medical College Book. Candidates who have undergone or have evidence for having undergone Radial Keratotomy, to improve the visual acuity will be permanently rejected for all the services. Candidates who have undergone Laser Surgery for correction of refractive error are also not acceptable to defence services.

### **Vision standard for Naval candidates**

Uncorrected without glass	6/6, 6/9
Corrected with glass	6/6, 6/6
Limits of Myopia	-0.75
Limits of Hypermetropia	+1.5
Binocular vision	III
Limits of colour perception	I

### Visual Standards for Air Force

Candidates who habitually wear spectacles are not eligible for Air Force, Minimum distant vision 6/6 in one eye and 6/9 in other, correctable to 6/6 only for Hypermetropia. Colour vision CP-I Hypermetropia : +2.0 D Sph Manifest Myopia : Nil Retinoscopic Myopia : 0.5 in any Meridian permitted Astigmatism : + 0.75 D Cyl (within + 2.0 D.Max)

Maddox Rod Test

- (i) at 6 meters      Exo-6 prism D  
                             Eso-6 prism D  
                             Hyper-1 prism D  
                             Hypo-1 prism D
- (ii) at 33 cms      Exo-16 prism D  
                             Eso-6 prism D  
                             Hyper-1 prism D  
                             Hypo-1 prism D

Hand held Stereoscope–All of BSV grades Convergence–Up to 10 cm Cover test for distant and near–Latent divergence/convergence recovery rapid and complete.

(a) “Candidates who have undergone PRK (Photo Refractive Keratotomy / Lasik (Laser in Situ Keratomileusis) may be considered fit for commissioning in the Air Force in all branches”. Candidates having undergone cataract surgery with or without IOL implants will also be declared unfit. Binocular vision must possess good binocular vision (fusion and stereopsis with good amplitude and depth).

(b)“Post PRK/Lasik candidates must meet the visual requirements required for the branch” as laid down in Para 3.12.5.2 of IAP 4303 (4<sup>th</sup> edition) revised.

(c) The following criteria must be satisfied prior to selecting post-PRK/LASIK at the time of Air Force Medical Examination:-

- (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) Individual with high refractive errors (> 6D) prior to PRK/LASIK are to be excluded.
  - (vi) 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.
- (s) USG abdomen examination will be carried out and any congenital structural anomaly or disease of the abdominal organs will be a cause for rejection in Armed Forces.
- (t) The candidates should have sufficient number of natural and sound teeth. A minimum of 14 dental points will be acceptable. When 32 teeth are present, the total dental points are 22. A candidate should not be suffering from severe pyorrhoea.
- (u) Routine ECG for Air Force candidates must be within normal limits.
- (v) The following investigations are carried out mandatorily during Special Medical Board. However, Medical Officer/ Medical Board examining a candidate may ask for any other investigation as required as indicated:-
- (a) Complete Haemogram.
  - (b) Urine RE/ME.
  - (c) X Ray chest PA view.
  - (d) USG abdomen & pelvis.
- (w) Physical conditioning : Prospective candidates are advised to keep themselves in good physical condition, by following the under mentioned routine :—
- (a) Running 2.4 km in 15 minutes
  - (b) Skipping
  - (c) Pushups and sit ups (minimum 20 each)
  - (d) Chin ups (minimum 08)
  - (e) Rope climbing 3-4 metres.

**Annexure A**

## MEDICAL STANDARDS FOR NDA (FLYING & GROUND DUTY BRANCHES)

### General Instructions

1. In this section the assessment of candidates for commissioning through NDA into flying and ground duty branches in 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. Continuation of medical fitness during training will be assessed during the periodic medical examinations held at NDA prior to commissioning. 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 4<sup>th</sup> 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 appendicectomy, 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 5cm.

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 weight chart prescribed by U.P.S.C. placed at **Appendix A** to the draft rules will be applicable. The maximum permissible variation from the ideal body weight is 10%. Fraction of less than half a kg will not be noted. If a candidate is underweight by more than 10% below the ideal, a detailed history and careful examination to rule out possible cause like tuberculosis, hyperthyroidism, diabetes etc. will be carried out. If no cause is detected the candidate will be declared fit. If any cause is detected the fitness of the candidate will be decided accordingly.

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 13 (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 position 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 laparoscopic 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 laparoscopic 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 intrabdominal 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 metaboIicevaluation 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) Naevusdepigmentosus and Beckersnaevus 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 is to 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) Osteoarthritis, 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° will 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.
  - (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 hyperhidrosis 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.

(m) 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) Only those candidates for aircrew duties will be subjected to Basal Electroencephalogram EEG examination. 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- B** 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 Keratotomy)/ 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.

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

-x-x-x-x-x-x-

**Appendix A**

[Refers to Para 12]

**Male Ideal Nude Weights for Different Age Groups and Heights for  
NDA (Flying & Ground Duty) Candidates on Entry  
(10% variation on higher side of average acceptable)**

Height (in cm)	Age Range (in Years) / Weight (in Kgs)		
	15-16	16-17	17-18
152	41	42.5	44
155	42	43.5	45.3
157	43	45	47
160	45	46.5	48
162	46	48	50
165	48	50	52
167	49	51	53
170	51	52.5	55
173	52.5	54.5	57
175	54.5	56	59
178	56	58	61
180	58.5	60	63

183	61	62.5	65
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**Appendix B**  
[Refers to para 22  
(b) (viii)]

**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)

**Visual Standards for NDA (Flying & Ground Duty)**  
**Candidates on Entry**

Sl 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:**

Note 1. 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	Unilateral 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	Unilateral 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. Visual standards of Air Wing Cadets at NDA and Flt Cds of F (P) at AFA should conform to A1G1 F (P) standard (Sl. No. 1)

Note 3. 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.



**APPENDIX-V**  
**(BRIEF PARTICULARS OF THE SERVICE ETC.)**

1. Before a candidate joins the Academy, the parent or guardian will be required to sign : –

(a) A certificate to the effect that he fully understands that he or his son or ward shall not be entitled to claim any compensation or other relief from the Government in respect of any injury which his son or ward may sustain in the course of or as a result of the training or where bodily infirmity or death results in the course of or as a result of a surgical operation performed upon or anesthesia administered to him for the treatment of any injury received as aforesaid or otherwise.

(b) A bond to the effect that if, on account of his dismissal or discharge or withdrawal from National Defence Academy for knowingly furnishing false particulars or suppressing material information in his application for admission to the said National Defence Academy or in the event of his being dismissed or discharged or withdrawn on disciplinary grounds from the said, National Defence Academy or for any reason not beyond the control of the cadet, he does not complete the prescribed period of training, or he, the cadet, does not accept a Commission if offered as conventated above, then the Guarantors and the cadet shall jointly and severally be liable to pay forthwith to Government in cash sums as the Government shall fix but not exceeding such expenses as shall have been incurred by the Government on account of the Cadet on his training and all the money received by the Cadets as pay and allowance from the Government together with interest on the said money calculated at the rate in force for Government loans.

2. The cost of training including accommodation, books, uniforms, boarding and medical treatment will be borne by the Government. Parents or guardians of cadets, will, however, be required to meet their pocket and other private expenses. Normally these expenses are not likely to exceed Rs. 3000.00 p.m. If in any case a cadets's parents or guardian is unable to meet wholly or partly even this expenditure financial assistance of Rs. 1000.00 p.m. for the period of training may be granted by the Government whose parents income is less than Rs. 21,000/- per month. Cadet whose parent's or guardian's income exceeds Rs. 21,000/- per month will not be liable for the assistance. If more than one son/ward simultaneously undergoing training at NDA, IMA, OTA and corresponding training establishment in the Navy and Air Force, then BOTH would be eligible for the financial assistance.

The parent/guardian of a candidate desirous of having financial assistance from the Government should immediately after his son/ward having been finally selected for training at the National Defence Academy submit an application through the District Magistrate of his District who

will forward the application with his recommendation to the Commandant, National Defence Academy, Khadakwasla, Pune-411023.

3. Candidates finally selected for training at the Academy will be required to deposit the following amount with the Commandant, National Defence Academy, on their arrival there : –

(a) Pocket allowance for five months @ Rs. 3000.00 per month.	Rs. 15000.00
(b) For items of clothing and equipment	Rs. 21720.00
(c) Army Group Insurance Fund	Rs. 6400.00
(d) Incidental Expenditure during 1st Semester	Rs. 7516.00
<b>Total</b>	<b>Rs. 50636.00</b>

Out of the amount mentioned above the following amount is refundable to the candidates in the event of financial aid being sanctioned to them : –

(a) Pocket allowance for five months at Rs. 400.00 per month (Corresponding to Govt. Financial Assistance)	Rs. 2000.00
(b) For items of clothing and equip- ment approximately	Rs. 13935.00

4. The following Scholarships/Financial Assistance are tenable at the National Defence Academy.

**(1) PARASHURAM BHAU PATWARDHAN SCHOLARSHIP –**  
This Scholarship is granted to cadets overall first in Academics of Passing out Course. One time scholarship amount is Rs. 5000/-.

**(2) COLONEL KENDAL FRANK MEMORIAL SCHOLARSHIP –** This scholarship is of the value of Rs. 4800.00 per annum and awarded to a MARATHA cadet who should be the son of an ex-serviceman. The scholarship is in addition to any financial assistance from the Government.

**(3) KAUR SINGH MEMORIAL SCHOLARSHIP –** Two scholarships are awarded to cadets who obtain the highest position amongst candidates from BIHAR. The value of each scholarship is Rs. 37.00 per mensem tenable for a maximum period of 4 years during the training at the National Defence Academy, Khadakwasla and thereafter at the Indian Military Academy, Dehra Dun and the Air Force Flying College; and Indian Naval Academy, Ezhimala where the cadets may be sent for training on completion of their training at the National Defence Academy. The

scholarship will, however, be continued subject to maintaining good progress at the above institution.

**(4) ASSAM GOVERNMENT SCHOLARSHIP** – Two scholarships will be awarded to the cadets from ASSAM. The value of each scholarship is Rs. 30.00 per mensem and is tenable for the duration of a cadet’s stay at the National Defence Academy. The scholarships will be awarded to the two best cadets from ASSAM without any reference to the income of their parents. The cadets who are granted this scholarship will not be entitled to any other financial assistance from the Government.

**(5) UTTAR PRADESH GOVERNMENT SCHOLARSHIPS** – Two scholarships each of the value of Rs. 30.00 per month and an outfit stipend of Rs. 400.00 are awarded to two cadets who belong to UTTAR PRADESH on merit-cum-means basis and are tenable for a period of three years subject to satisfactory performance by the cadets at National Defence Academy. Cadets who are granted these Scholarships are not entitled to any other financial assistance from Government.

**(6) KERALA GOVERNMENT SCHOLARSHIPS** – One merit scholarship of the value of Rs. 480/- per annum for the entire period of training at NDA, will be awarded by the State Government of Kerala to a Cadet who is domiciled resident of the State of KERALA and who secures the first position in the All India UPSC Entrance Examination to NDA irrespective of the fact whether he has passed out from RIMC or from any of the Sainik Schools in India. The financial position of a Cadet’s father/guardian is not taken into consideration.

**(7) BIHARI LAL MANDAKINI PRIZE** – This is cash prize of Rs. 500.00 available for the best BENGALI boy in each Course of the Academy. Application Forms are available with the Commandant, National Defence Academy.

**(8) ORISSA GOVERNMENT SCHOLARSHIPS** – These scholarships, one for the Army, one for the Navy and the other for the Air Force of the value of Rs. 80.00 each per month will be awarded by the Government of Orissa to the cadets who are permanent residents of the State of ORISSA. Two of these scholarships will be awarded on the basis of merit-cum-means of the cadets whose parent’s or guardian’s income does not exceed Rs. 5,000/- per annum and the other one will be given to the best cadet irrespective of his parent’s or guardian’s income.

(9)	State Government	Amount	Eligibility									
	West Bengal (i) The cadet must be *Income	<table border="1"> <thead> <tr> <th data-bbox="703 1713 805 1759">Low</th> <th data-bbox="805 1713 907 1759">Middle</th> <th data-bbox="907 1713 1040 1759">High</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 1787 805 1833">5000/-</td> <td data-bbox="805 1787 907 1833">3750/</td> <td data-bbox="907 1787 1040 1833">2500/-</td> </tr> <tr> <td data-bbox="703 1860 805 1906">1800/-</td> <td data-bbox="805 1860 907 1906">1350/-</td> <td data-bbox="907 1860 1040 1906">900/-</td> </tr> </tbody> </table>	Low	Middle	High	5000/-	3750/	2500/-	1800/-	1350/-	900/-	(i) The cadet must be Indian Citizen and the cadet and/or his of/or permanently domiciled in the State of West Bengal.
Low	Middle	High										
5000/-	3750/	2500/-										
1800/-	1350/-	900/-										

	Initial Lump sum grant  parent must be Scholarship per semester		(ii) The Cadet is not in receipt of any other financial assistance/ grant from the Govt. of India and/or the State Government or any other authority excepting scholarship or stipend received on merit.
	<b>*Table Income group</b> Low - up to Rs. 9000/-pm Middle - Rs. 9001/- to Rs. 18000/-pm High - Above 18000/-pm		
(10)	Goa Rs. 1000/- per month during the period of training (subject to a maximum of 24 months or duration of the course whichever is less) & one time outfit allowance of Rs. 12,000/-		(i) The income limit of the cadet's parent/guardian shall not exceed Rs. 15,000/- pm (Rs. 1,80,000/- per annum). (ii) The income limit of those belonging to SC/ST/OBC should not exceed Rs. 37,500/- per month (Rs. 4,50,000/- per annum). (iii) He should not be receiving financial assistance/freeship from any other source.
(11)	Nagaland	Rs. 1,00,000/- one time payment	Should be domicile of Nagaland State.
(12)	Manipur	Rs. 1,00,000/- one time payment	Should be domicile of Manipur State.
(14)	Gujarat	Scholarship Rs. 6,000/- per annum	To the ward of Serving/Ex-servicemen (incl Ex/Serving Officer) of Native/Domicile of Gujarat.
(15)	<u>Uttarakhand</u> (a) Pocket Money Rs. 250/- pm for NDA Cadets of Uttarakhand domicile is paid to father/guardian of cadets (Ex-Servicemen/Widow, through respective Zilla Sainik Kalyan Officers.) (b) Cash Award of Rs. 50,000/- for NDA Cadets of Uttarakhand domicile is paid to father/guardian of cadets through Directorate of Higher Education, Haldwani.		
(16)	Punjab	Rs. 1,00,000/- (one time payment)	Should be domicile of Punjab State.
(17)	State Govt. Sikkim	Rs.1.5 lakhs for all Offrs entry schemes	Award for successful candidates of Sikkim for all Officers' entry schemes.

(18)	<b><u>Eg Officer Anuj Nanchal Memorial Scholarship.</u> Rs. 1500/- (One time payment) - Second best all round Air Force cadet of VI term</b>
(19)	<b><u>Pilot Officer Gurmeet Singh Bedi Memorial Scholarship.</u> Pilot Officer Gurmeet Singh Bedi Memorial Scholarship. Rs. 1500/- (One time payment). Best all round Air Force cadet at the time of Passing Out of VI term.</b>

**(20) HIMACHAL PRADESH GOVERNMENT SCHOLARSHIP**—Four scholarships will be awarded to cadets from HIMACHAL PRADESH. The value of each scholarship is Rs. 30.00 per month during the first two years of training and Rs. 48.00 per month during the third year of training. These scholarships will be available to those cadets whose parent's income is below Rs. 500.00 per month. No cadet in receipt of financial assistance from the Government will be eligible for this scholarship.

**(21) TAMIL NADU GOVERNMENT SCHOLARSHIP**—The Government of Tamil Nadu has instituted at NDA one scholarship per course of the value of Rs. 30/- per month plus an outfit allowance of Rs. 400/- (one only during the entire period of cadet's training) to be awarded to a cadet belonging to the State of TAMIL NADU whose parent's/guardian's monthly income does not exceed Rs. 500/-. The application by an eligible cadet can be made to the Commandant, National Defence Academy on their arrival.

**(22) KARNATAKA GOVERNMENT SCHOLARSHIPS**—The Govt. of Karnataka has awarded scholarships to cadets from Karnataka State who join the National Defence Academy. The value of the scholarship shall be Rs. 1000/- (Rupees One thousand) per month and outfit allowance of Rs. 12000/- in first term.

**(23) ALBERT EKKA SCHOLARSHIP**—The Government of Bihar has instituted at NDA 25 Merit Scholarships at Rs. 50/- per month for entire period of six terms at the NDA and Rs. 650/- one time towards clothing and equipment. The cadet awarded the above merit scholarship would not be eligible for any other scholarship or financial assistance from the Government. The application by an eligible cadet can be made to the Commandant, National Defence Academy on their arrival.

**(24) FG OFFICER DV PINTOO MEMORIAL SCHOLARSHIP**—Gp Capt. M Vashishta has instituted 3 scholarships of Rs. 125/- each per month at NDA for one term to be awarded to the first three cadets in the order of merit on completion of their first semester till end of second term. The cadets in receipt of Govt. Financial Assistance will not be eligible for the above scholarships. The application for eligible cadets can be made to the Commandant, NDA on arrival.

**(25) FINANCIAL ASSISTANCE TO WARDS OF EX-SERVICEMEN—MAHARASHTRA STATE**

The wards of Maharashtra ex-service officers/men who are undergoing training as cadets at NDA will be given Rs. 50,000/- as one time incentive.

The parents/guardians of the wards should submit their applications to their respective Zilla Sainik Welfare Office alongwith the certificates obtained from the Academy. Terms and conditions governing these scholarships are obtainable from the Commandant, National Defence Academy, Khadakwasla, Pune - 411 023.

**(26) AWARD OF FINANCIAL ASSISTANCE TO CANDIDATES OF HARYANA DOMICILE UNDER TRAINING AT NDA.**

The Haryana State Govt. has declared a cash award of Rs. 1,00,000/- (Rupees one lakh) to every individual who successfully completes the training at NDA/IMA/OTA and other Defence Academies of National Status and domicile of State of Haryana.

**(27) INCENTIVE GRANT TO CADETS DOMICILE OF UT, CHANDIGARH UNDER TRAINING AT NDA.**

Chandigarh Administration has introduced the scheme for grant of one time incentive of Rs. 1,00,000/- (Rupees one lakh) to the cadets who are resident of UT, Chandigarh and joined NDA .

5. Immediately after the selected candidates join the Academy, a preliminary examination will be held in the following subjects:

- (a) English;
- (b) Mathematics;
- (c) Science;
- (d) Hindi.

The standard of the examination in the subjects at (a), (b) and (c) will not be higher than that of the Higher Secondary Examination of an Indian University or Board of Higher Secondary Education. The paper in the subject at (d) is intended to test the standard attained by the candidate in Hindi at the time of joining the Academy.

Candidates are, therefore, advised not to neglect their studies after the competitive examination.

**TRAINING**

6. The selected candidates for the three services viz, Army, Navy and Air Force are given preliminary training both academic and physical for a period of 3 years at the National Defence Academy which is an Inter-Service Institution. The training during the first two and half years is common to the cadets of three wings. All the cadets on passing out will be awarded degrees from Jawaharlal Nehru University Delhi as under:-

- (a) Army Cadets - B.Sc/ B.Sc (Computer)/ B.A
- (b) Naval Cadets - B. Tech Degree\*
- (c) Air Force Cadets - B. Tech Degree\*/ B.Sc/B.Sc (Computer)

Note\* : All the cadets undergoing B.Sc/B.SC(Computer)/BA Degree programme shall be awarded the degree on the successful completion of Academics, Physical and Service Training at NDA. All the cadets undergoing B Tech programme shall be awarded the B.Tech degree on the subsequent Pre Commissioning Training Academies/ Institutions/ Ships/ Air Craft.

The selected candidates of the Naval Academy will be given preliminary training both academic and physical, for a period of 04 years at Indian Naval Academy, Ezhimala. The cadets of 10+2 Cadet Entry Scheme will be awarded a B. Tech Degree on successful completion of training.

7. On passing out from the National Defence Academy, Army Cadets go to the Indian Military Academy, Dehra Dun, Naval Cadets to Indian Naval Academy, Ezhimala and Air Force cadets to AIR FORCE ACADEMY, HYDERABAD.

8. At the I.M.A. Army Cadets are known as Gentlemen Cadets and are given strenuous military training for a period of one year aimed at turning them into officer capable of leading infantry Sub-units. On successful completion of training Gentlemen Cadets are granted Permanent Commission in the rank of Lt subject to being medically fit in "SHAPE" one.

9. (a) The Naval cadets are selected for the Executive Branch of the Navy, on passing out from the National Defence Academy and are given further training at Indian Naval Academy, Ezhimala for a period of one year on successful completion of which they are promoted to the rank of Sub Lieutenants.

(b) Selected candidates for the Naval Academy under (10+2 Cadet Entry Scheme) will be inducted as Cadets for four year B.Tech course in Applied Electronics & Communication Engineering (for Executive Branch), Mechanical Engineering (for Engineering Branch including Naval Architect specialization) or Electronics & Communication Engineering (for Electrical Branch) as per Naval requirements. On completion of the course, B. Tech Degree will be awarded by Jawaharlal Nehru University (JNU).

10. (a) Air Force Cadets receive flying training for a period of 1½ years. However, at the end of 1 year of training they are given provisional Commission in the rank of Flying Officer. After successful completion of further training of six months they are absorbed as permanent commissioned officers on probation for a period of one year.

(b) Air Force Ground Duties Branch Cadets receive stream wise specialist training for a period of one year. At the end of one year of training they are given provisional commission in the rank of Flying Officer. Subsequently, they are absorbed as permanent commissioned officers on probation of one year.

## TERMS AND CONDITIONS OF SERVICES

### 11. Army Officers and equivalent ranks in Air Force and Navy

#### (i) Fixed Stipend for Cadet Training:-

Stipend to Gentlemen Cadets during the entire duration of training in Service academies i.e. during training period at IMA.	Rs 56,100/- p.m.* (Starting pay in Level 10)
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\* On successful commissioning, the pay in the Pay matrix of the Officer commissioned shall be fixed in first Cell of Level 10 and the period of training shall not be treated as commissioned service and arrears on account of admissible allowances, as applicable, for the training period shall be paid to cadets.

#### (ii) Pay

Rank	Pay Level (in Rs.)
(a) Lt to Maj	Lt - Level 10 (56,100 – 1,77,500) Capt - Level 10 B (61,300-1,93,900) Maj - Level 11 (69,400 – 2,07,200)
Lt Col to Maj Gen	Lt Col - Level 12A (1,21,200 – 2,12,400) Col - Level 13 (1,30,600-2,15,900) Brig - Level 13A (1,39,600-2,17,600) Maj Gen - Level 14 (1,44,200-2,18,200)
Lt Gen HAG Scale	Level 15 (1, 82, 200-2,24,100)
HAG+Scale	Level 16 (2,05,400 – 2,24,400)
VCOAS/ Army Cdr/ Lt Gen(NFSG)	Level 17 (2,25,000/-) (fixed)
COAS	Level 18 (2,50,000/-) (fixed)



(b) **MSP to the officer is as follows:-**

Military Service Pay(MSP) to the officers from the rank of Lt to Brig	Rs 15,500 p.m. fixed
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(iii) **QUALIFICATION PAY AND GRANT**

(a) **Qualification Grant**

Abolished as a separate allowance. Eligible employees to be governed by newly proposed Higher Qualification Incentive (HQI). Order for HQI is yet to be issued by MoD.

(b) **Qualification Pay :-**

Pertaining to Indian Air Force.

(c) **Flying allowance :-**

The Army Aviators (Pilots) serving in the Army Aviation Corps are entitled to flying allowance as under:-

Rank	Level	
Lt & above	Level 10 and above	Rs 25,000/- p.m. fixed (R1H1 of Risk and Hardship Matrix)

(iv) **Other Allowances:-**

(a)	Dearness Allowance	Admissible at the same rates and under the same conditions as are applicable to the civilian personnel from time to time.
(b)	Kit maintenance allowance	Subsumed into the newly proposed Dress Allowance i.e. Rs 20,000/- per year

(c) Depending upon rank and area of posting, officer posted to Field Areas will be eligible for the following Field Area allowances:-

Rank	Level	HAFAs	Fd Area Allowance	Mod Fd Area Allowance
Lt & above	Level 10 and above	16900 (R1H2)	10500 (R2H2)	6300 (60% of R2H2)

(d) **High Altitude Allowance**

Rank	Level	CAT-I (PM)	CAT-II (PM)	CAT-III (PM)
Lt & above	Level 10 and above	3400 (R3H2)	5300 (R3H1)	25000 (R1H1)

(e) **Siachen Allowance**

Siachen Allowance will be Rs. 42,500/- per month.

(f) **Uniform allowance.**

Subsumed into the newly proposed Dress Allowance i.e. Rs. 20,000/- per year.

(g) **Free Rations**

- (i) Continue in Fd Area to all Defence Officers.
- (ii) Defence officers posted in peace area to get Ration Money Allowance (RMA) every month.

(h) **Transport Allowance (TPTA).**

Pay Level	Higher TPTA Cities (Rs. Per month)	Other Places (Rs. Per month)
9 and above	Rs. 7200+DA thereon	Rs. 3600+DA thereon

Note :-

(i) **Higher Tpt Cities (UA).** Hyderabad, Patna, Delhi, Ahmadabad, Surat, Bengaluru, Kochi, Kozhikode, Indore, Greater Mumbai, Nagpur, Pune, Jaipur, Chennai, Coimbatore, Ghaziabad, Kanpur, Lucknow, Kolkata.

(ii) The allowance shall not be admissible to those service personnel who have been provided with the facility of Government transport.

(iii) Officers in Pay Level 14 and above, who are entitled to use official car, will have the option to avail official car facility or to draw the TPTA at the rate of Rs. 15,750+DA thereon.

(iv) The allowance will not be admissible for the calendar month(s) wholly covered by leave.

(iv) Physically disabled service personnel will continue to be paid at double rate, subject to a minimum of Rs. 2250 + DA.

(i) **Children Education Allowance. Rs. 2250/- per month** per child for two eldest surviving only. CEA is admissible from Nursery to 12<sup>th</sup> Class.

(i) Reimbursement should be done just once a year, after completion of the financial year (which for most schools coincides with the Academic year).

(ii) Certificate from the head of institution where the ward of government employee studies should be sufficient for this purpose. The certificate should confirm that the child studied in the school during the previous academic year.

In the case of allowances specific to Defence Forces, the rates of these allowances would be enhanced by 25% automatically each time the Dearness Allowance payable on the revised pay band goes up by 50% (GoI letter no. A-27012/02/2017-Estt.(AL) dt 16 Aug 2017).

(j) The following monetary benefits are available to the Cadets (Direct)/NoKs in the event of invalidment on medical grounds/death of a Cadet (Direct) due to causes attributable to or aggravated by military training :

(I) IN CASE OF DISABLEMENT

(i) Monthly Ex-gratia amount of Rs. 9,000/- per month.

(ii) Ex-gratia disability award @ Rs. 16200/- per month shall be payable in addition for 100% of disability during period of disablement subject to prorate reduction in case the degree of disablement is less than 100%. No disability award shall be payable in cases where the degree of disablement is less than 20%.

(iii) Constant Attendant Allowance (CCA) @ Rs 6750/- per month for 100% disable on the recommendation of Invaliding Medical Board (IBM).

## (II) IN CASE OF DEATH

- (i) Ex-gratia amount of Rs. 12.5 lakhs to the NoK.
- (ii) The Ex-gratia amount of Rs. 9000/- per month to the NoK.
- (iii) The Ex-gratia awards to Cadets (Direct) / NoK, shall be sanctioned purely on ex-gratia basis and the same shall not be treated as pension for any purpose. However, dearness relief at applicable rates shall be granted on monthly ex-gratia as well as ex-gratia disability award.

12. (a) Army Group Insurance Fund is a compulsory contributory group scheme, which provides insurance cover for Rs. 15 Lakh on payment of one time non refundable premium of Rs. 6400/- for 3 years paid in advance in lump sum by the cadets including Naval and Air Force Cadets of NDA from the date of joining of Pre-commissioning training till completion of training at NDA. In case of relegation, an additional premium of Rs. 1,160/- per relegated term will be paid immediately on occurrence. **For those who are invalidated out from NDA by IMB on account of disability and not entitled to any pension will be provided Rs.7.5 lakhs for 100 per cent disability. This will be proportionately reduced to Rs 1.5 lakhs for 20 per cent disability.** However, for less than 20 per cent disability, only an Ex-Gratia Grant of Rs. 50,000/- for initial year of training and Rs. 1 lakh during the last year of training will be paid. Disability due to alcoholism, drug addiction and due to the diseases of pre-enrolment origin will not qualify for disability benefit and Ex-Gratia Grant. In addition, a Cadet withdrawn on disciplinary grounds, expelled as an undesirable or voluntarily leaving the Academy will also not be eligible for disability benefits and Ex-Gratia.

(b) At IMA when in receipt of stipend, the Gentlemen Cadets are provided insurance cover of Rs. 75 lakh with a monthly contribution of Rs. 5,000/- w.e.f. 01 October, 2016 as per maint AGI scheme as applicable to regular officers. Those who are invalidated out from IMA by IMB on account of disability and not entitled to any pension will be provided Rs. 25 Lakhs for 100 per cent disability. This will be proportionately reduced to Rs. 5 lakhs for 20 per cent disability. However, for less than 20% disability, only an Ex-Gratia Grant of Rs. 50,000/- for initial year of training and Rs 1 lakh during the last year of training will be paid. Disability due to alcoholism, drug addiction and due to the diseases of pre-enrolment origin will not qualify for disability benefit and Ex-Gratia Grant. In addition, Gentlemen cadets withdrawn on disciplinary grounds, expelled as an undesirable or voluntarily leaving the Academy will also not be eligible for disability benefits and Ex-Gratia.

### 13. PROMOTIONAL AVENUES:

S.No.	Army	Navy	Air Force	Minimum Reckonable Commissioned Service required for Substantive Promotion
(a)	Lieutenant	Sub Lieutenant	Flying Officer	On Commission
(b)	Captain	Lieutenant	Flight Lieutenant	02 Years
(c)	Major	Lt. Commander	Squadron Leader	06 years
(d)	Lieutenant Colonel	Commander	Wing Commander	13 years
(e)	Colonel(Selection)	Captain (Selection)	Group Captain (Selection)	On Selection
(f)	Colonel (Time Scale)	Captain (Time Scale)	Group Captain (Time Scale)	26 years
(g)	Brigadier	Commodore	Air Commodore	On Selection
(h)	Major General	Rear Admiral	Air Vice Marshal	On Selection
(i)	Lieutenant General	Vice Admiral	Air Marshal	On Selection
(j)	General	Admiral	Air Chief Marshal	On Selection

### 14. RETIREMENT BENEFITS

Pension, gratuity and casualty pensionary award will be admissible in accordance with the rules in force from time to time.

### 15. LEAVE

Leave will be admissible in accordance with the rules in force from time to time.

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