

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 therefrom 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Candidates who were previously withdrawn from the National Defence Academy or Indian Naval Academy on medical grounds or left the above Academy voluntarily are however, eligible for admission to the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; Lightening 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 Carbon dioxide, 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 09<sup>th</sup> January, 2019 to 04<sup>th</sup> February, 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 **08.02.2019 to 14.02.2019 (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 14.02.2019.**
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 would 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.

You will see from the Answer Sheet that you will have to fill in the top line, which reads thus:



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.

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.

**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<br>@ Rs. 3000.00 per month. | Rs. 15000.00 |
| (b) For items of clothing and equipment                          | Rs. 17865.00 |

(c) Army Group Insurance Fund	Rs. 6400.00
(d) Incidental Expenditure during 1st Semester	Rs. 7516.00
<b>Total</b>	<b>Rs. 46781.00</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)	<b>State Government</b>	<b>Amount</b>	<b>Eligibility</b>
	West Bengal (i) The cadet must be *Income Initial Lump sum grant parent must be Scholarship per semester	<b>Low Middle High</b> 5000/- 3750/ 2500/- 1800/- 1350/- 900/-	
	<b>*Table Income group</b>		
	Low - up to Rs. 9000/-pm		
	Middle - Rs. 9001/- to Rs. 18000/-pm		
	High - Above 18000/-pm		



(10)	<b>Goa</b>	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>Fg 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 Maharashtrian 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\*

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. 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.

#### 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	HAFA	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 (R2H3)	5300 (R1H3)	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. 1/(16)/2017/D(Pay/Services) dated 18 Sep 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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