

COURSE REGISTRATION FORM FOR B.Sc. (Hons. In Applied Sciences) III Year
UNDER VERTICAL MOBILITY SCHEME
For Gyandeeep (Indian Army) Group A
January 2023 Session

{Group A: Associate Degree(Advanced Diploma) Holders from Gyandeeep EXCEPT those who have taken courses from Group 40, Group 44 to 56 (Annex.-2) in their Associate Degree(AD) in Science}

Paste a recent
 Attested Passport
 Size Photograph
 (write enrolment no.
 and name behind
 the photograph
 before pasting)

1. Gyandeeep Enrolment No.:

A							
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2. Regional Centre Code:

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3. Study Centre Code:

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4. Name of the Student (in capital letters): _____

5. Complete Postal Address: _____

 _____ PIN _____

E-mail ID: _____ Contact/Mob. No.: _____

6. Details of fee paid (to be drawn in favour of 'IGNOU' payable at the place of respective opted 'Regional Centre'):

a Name of the Bank _____ Place _____

b. Bank Draft No. _____ Dated _____

c. Amount (**Rs. 5000/-** + the late fee as applicable) _____

(By way of Demand Draft drawn in favour of IGNOU payable at the place of concerned Regional Centre)

7. Details of Academic Qualification:

	Nomenclature of the Academic qualification	Institution / Board	Year of passing	% of Marks/ Division/ Grade
10 + 2 with Science or equivalent				
Associate Degree(AD)	Associate Degree(Advanced Diploma) in Science	IGNOU		
Any Other qual.				

8. Medium of Instruction (Language of printed study materials to be received): **English** ☐ **Hindi** ☐

I hereby register for the following courses for III year B. Sc. (Hons.) in Applied Sciences commencing **January 2023**.

9. Students are advised to fill in the boxes provided by choosing any **8 Credits from Foundation Courses in English, Hindi, MILs (BEGF-101, FEG-02, BHDF-101, FHD-02, MILs), 16 Credits from Physics and / or Chemistry from the enclosed list (subject to minimum 8 credits from any one discipline opted for) and 8 Credits from Application Oriented Courses (having no lab / project component)**. The list of courses along with credit details is given in the attached Annexure (**Minimum duration: 01 Year & Maximum duration: 03 Years**).

	Course Name	Codes	Credits
<u>Foundation Courses (8 Credits)</u>			
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Discipline Specific Courses (16 credits)</u>			
a)	<input type="text"/>	<input type="text"/>	<input type="text"/>
b)	<input type="text"/>	<input type="text"/>	<input type="text"/>
c)	<input type="text"/>	<input type="text"/>	<input type="text"/>
d)	<input type="text"/>	<input type="text"/>	<input type="text"/>
e)	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Application-oriented Courses (8 Credits)</u>			
f)	<input type="text"/>	<input type="text"/>	<input type="text"/>
g)	<input type="text"/>	<input type="text"/>	<input type="text"/>
			Total: 32 Credits

It is certified that the above information is true and correct to the best of my knowledge.Yours faithfully,

Date: _____

Signature of student _____

- Note:**
- 1) For all the *Discipline Specific and Application-oriented Courses of 3rd year*, a student is eligible for appearing in his/her first attempt in Term-End examinations only after one year.
 - 2) **Only those who have already completed 10 +2 (Science) or its equivalent and been awarded Associate Degree(AD) in Science are eligible for 3rd year registration under lateral entry.**
 - 3) Affix recent passport size attested photograph on the form.
 - 4) Attach attested copies in claim of your above mentioned academic qualifications.
 - 5) You are also advised to retain the photocopy of the filled up form for future references.
 - 6) **For discipline specific courses, students may enroll for courses worth 16 credits from either Physics or Chemistry or courses worth 8 credits each from Physics and Chemistry as per the list enclosed with the form. The courses BPHE-101 and BPHE-102 are to be taken together.**
 - 7) Please fill the form in Block letters.
 - 8) Attach a Pay Order/Demand Draft for the Programme Fee and have written your name, programme code on the reverse of the Demand Draft, issued by the bank.
 - 9) **For further details and information please refer to IGNOU Common Prospectus (Also available at www.ignou.ac.in).**

* Schedule for submission of Re-registration form at the Regional Centre only:

S.No.	July Session	January Session	Late Fee
1.	1 st February to 31 st March	1 st August to 1 st October	Nil
2.	1 st April to 30 th April	3 rd October to 31 st October	Rs.200/-
3	1 st May to 31 st May	1 st November to 30 th November	Rs.500/-
4	1 st June to 20 th June	1 st December to 20 th December	Rs.1000/-

List of Courses available for registration for Associate Degree(AD) holders (Group A) from Gyandeeep

Sl. No.	Category of Courses	List of Courses	Total Credits
1	Foundation Courses	<p>Any 8 Credits from Foundation Courses as per list given below</p> <p>1. BEGF 101 Foundation Course in English-1 (formerly FEG1) (4 Credits)</p> <p>OR</p> <p>FHD 2 Foundation Course in Hindi-2 (4 Credits)</p> <p>2. FAS 1 Assamese (4 Credits)</p> <p>3. FBG 1 Bengali (4 Credits)</p> <p>4. FEG 2 English (4 Credits)</p> <p>5. FGT 1 Gujarati (4 Credits)</p> <p>6. BHDF101 Hindi (4 Credits)</p> <p>7. FKD 1 Kannada (4 Credits)</p> <p>8. FML 1 Malayalam (4 Credits)</p> <p>9. FMT 1 Marathi (4 Credits)</p> <p>10. FOR 1 Oriya (4 Credits)</p> <p>11. FPB 1 Punjabi (4 Credits)</p> <p>12. FTM 1 Tamil (4 Credits)</p> <p>13. FTG 1 Telugu (4 Credits)</p> <p>14. FUD 1 Urdu (4 Credits)</p> <p>15. BSKF 1 Sanskrit (4 Credits)</p> <p>16. BBHF 1 Bhojpuri (4 Credits)</p> <p>17. BMAF 1 Maithilee (4 Credits)</p>	8
2	Discipline Specific Courses	<p>Courses worth 16 Credits from Physics and / or Chemistry from the following list subject to minimum 8 Credits from any one Discipline opted for:</p> <p>Physics (16 Credits or at least 8 Credits)</p> <p>1. Elementary Mechanics (BPHE101 and Oscillations and Waves (BPHE102) (2 Credits + 2 Credits) <u>to be taken together</u></p> <p>2. Thermodynamics and Statistical Mechanics (BPHE106) (4 Credits)</p> <p>3. Electric and Magnetic Phenomena (PHE7) (4 Credits)</p> <p>4. Optics (PHE9) (4 Credits)</p> <p>5. Electrical Circuits and Electronics (PHE10) (4 Credits)</p> <p>Chemistry (16 Credits or at least 8 Credits)</p> <p>1. Inorganic Chemistry (CHE2) (4 Credits)</p> <p>2. Physical Chemistry (CHE4) (4 Credits)</p> <p>3. Organic Chemistry (CHE5) (4 Credits)</p> <p>4. Spectroscopy (CHE10) (4 Credits)</p>	16
3	Application Oriented Courses	<p>8 Credits from Application Oriented Courses (having no lab / project component)</p> <p>BEGA 1 Introduction to the Media (formerly AFW(E) (4 Credits)</p> <p>OR</p> <p>BHDA 101 Samachar Patra aur Feature Lekhan (Hindi) (Formerly AFWH) (4 Credits)</p> <p>BEGA 102 Writing for Radio (English) (Formerly AWR-E) (4 Credits)</p> <p>OR</p> <p>BRPA 101 Radio Lekhan (Hindi) (Formerly AWR-H) (4 Credits)</p> <p>ATR 1 Translation(English and Hindi) (8 Credits)</p> <p>ACC 1 Organizing Child Care Services (8 Credits)</p> <p>ANC 1 Nutrition for the Community (8 Credits)</p> <p>AMK 1* Marketing (4 Credits)</p> <p>AED 1* Export Procedure and Documentation (4 Credits)</p> <p>AOM 1* Office Organization and Management (4 Credits)</p>	8

		ASP 1*	Secretarial Practice	(4 Credits)	
		ACS 1	Consumer Studies	(8 Credits)	
		CTE 3	Teaching Strategies	(4 Credits)	
		CTE 4	Teaching English-Elementary School	(4 Credits)	
		OR			
		CTE 5	Teaching English-Secondary School (With CTE 3, take any one course: CTE 4 or CTE 5)	(4 Credits)	
		AST 1**	Statistical Techniques	(4 Credits)	
		AOR 1**	Operational Research	(4 Credits)	
		BCOA 1	Business Communication and Entrepreneurship (English Medium only)	(4 Credits)	

* Commerce based Application-oriented Courses. However, students are free to choose any Application-oriented Course(s) of their choice. If you opt for 4 credit AOCs, you must choose at least two 4 credit AOCs to make up a total of 8 credits of AOCs.

** +2 level of mathematics is a pre-requisite

Annexure 2: List of Courses offered to Associate degree holders from Army

Compulsory 16 credits	
Course Title	Credits
Advance Military Training-1	8
Advance Military Training-2	8

32 credits from one of the following groups:	
Group 1	
Radar Technology	8
Air Defence Warfare	8
<i>Air Defence Radars</i>	8
<i>Air Defence Equipment Management</i>	8
Group 2	
Communication Theory	8
Maintenance of Signal Equipments	8
<i>Theory and Practical of Radio Operation</i>	8
<i>Methods of Communication in Different Types of Warfare</i>	8
Group 3	
Radio Monitoring Systems-1	8
Signal Centre Procedure, Modern Communication Techniques, IT & Cyber Security	8
<i>Radio Monitoring Systems-2</i>	8
<i>Communication & Cyber Security</i>	8
Group 4	
Communication Systems-1	8
Wireless Networks-1	8
<i>Communication Systems-2</i>	8
<i>Wireless Networks-2</i>	8
Group 5	
Wireless Communication	8
Advance Tele Communication	8
<i>Tele Communication-1</i>	8

Tele Communication-2-	8
Group 6	
Cipher Communication	8
Cipher Security-1	8
Cryptology and Elementary Cryptanalysis	8
Cipher Security2	8
Group 7	
Radio Communication-1	8
Data Communication & Cyber Security-1	8
Radio Communication-2	8
Data Communication & Cyber Security-2	8
Group 8	
Network Engineering-1	8
Communication Networks-1	8
Network Engineering-2	8
Communication Networks-2	8
Group 9	
System Engineering-1	8
System Networks-1	8
System Engineering-2	8
System Networks-2	8
Group 10	
Basic Aerodynamics	8
Aerodynamics-1	8
Aerodynamics-2	8
Advance Aerodynamics	8
Group 11	
Basic Aeronautical Engineering	8
Aeronautical Engineering-1	8
Aeronautical Engineering2	8
Advance Aeronautical Engineering	8

Group 12	
Basic Avionics	8
Avionics-1	8
Avionics-2	8
Advance Avionics	8
Group 13	
Basic Electricals in Aviation Technology	8
Electricals in Aviation Technology-1	8
Electricals in Aviation Technology-2	8
Advance Electricals in Aviation Technology	8
Group 14	
Instrument and Photo in Aviation Technology-1	8
Advance Instrument and Photo in Aviation Technology-1	8
Instrument and Photo in Aviation Technology-2	8
Advance Instrument and Photo in Aviation Technology-2	8
Group 15	
Basic Radar Technology	8
Radar Technology-1	8
Radar Technology-2	8
Advance Radar Technology	8
Group 16	
Basic Information Technology	8
Information Technology-1	8
Information Technology-2	8
Advance Information Technology	8
Group 17	
Basic Opto Electronics	8
Advance Opto Electronics	8
Opto Electronics-1	8
Opto Electronics-2	8
Group 18	

Basic Gun Control Equipment	8
Advance Gun Control Equipment	8
Gun Control Equipment-1	8
Gun Control Equipment-2	8
Group 19	
Basic Engineering Equipment	8
Advance Engineering Equipment	8
Engineering Equipment-1	8
Engineering Equipment -2	8
Group 20	
House Wiring and Earthing	8
Electrical Application	8
Advance House Wiring and Earthing	8
Advance Electrical Application	8
Group 21	
Introduction to Tank Technology	8
Advance Tank Technology	8
Tank Technology-1	8
Tank Technology-2	8
Group 22	
Introduction to Vehicle Technology	8
Advance Vehicle Technology	8
Vehicle Technology-1	8
Vehicle Technology-2	8
Group 23	
Basic Electricals in Tank Technology	8
Advance Electricals in Tank Technology	8
Electricals in Tank Technology-1	8
Electricals in Tank Technology-2	8
Group 24	
Basic Electricals in Vehicle Technology	8

Advance Electricals in Vehicle Technology	8
<i>Electricals in Vehicle Technology-1</i>	8
<i>Electricals in Vehicle Technology-2</i>	8
Group 25	
Power Management Systems-1	8
Generators	8
<i>Power Management Systems-2</i>	8
<i>Generator and Refrigeration</i>	8
Group 26	
Introduction to Armament Technology	8
Advance Armament Technology	8
<i>Armament Technology-1</i>	8
<i>Armament Technology-2</i>	8
Group 27	
Basic Armament Technology of Air Defence System	8
Advance Armament Technology of Air Defence System	8
<i>Armament Technology of Air Defence Equipment-1</i>	8
<i>Armament Technology of Air Defence Equipment-2</i>	8
Group 28	
Armament and Ammunition Technology	8
Ammunition Management	8
<i>Advance Armament and Ammunition Technology</i>	8
<i>Advance Ammunition Management</i>	8
Group 29	
Armament in Aviation Technology-1	8
Armament in Aviation Technology-2	8
<i>Advance Armament in Aviation Technology-1</i>	8
<i>Advance Armament in Aviation Technology-2</i>	8
Group 30	
Classification of Small Arms	8
Technology in Small Arms	8

Small Arms-1	8
Small Arms-2	8
Group 31	
Basics of Fire Control	8
Tasks of Fire Control Assistant	8
Metrology and Fire Control Instruments	8
Fire Control System, Equipment and Management	8
Group 32	
Topographic Survey & Cartography -1	8
Methods for Topographic Survey & Cartography	8
Topographic Survey & Cartography -2	8
Survey Using Tactical Computer	8
Group 33	
Land Survey and Cartology-1	8
Methodology of Land Survey and Cartology	8
Land Survey Equipment	8
Land Survey and Cartology-2	8
Group 34	
Survey Equipment	8
Land Survey and Map Making	8
Use of Survey Equipment	8
Advance Land Survey and Map Making	8
Group 35	
Traverse, Triangulation and Applied Maths	8
Field Astronomy and Table Survey	8
GPS Observation, Computation and Mobile Mapping	8
Field Verification and Cartography	8
Group 36	
Topographical Equipment	8
Land Survey and Graphics	8
Advance Topographical Equipment	8
Advance Land Survey and Graphic	8

Group 37

Basic Repair, Maintenance & Handling of Marine Engine

8

Assembling of SNU & Gearbox of the Craft-1

8

Advance Repair , Maintenance & Handling of Marine Engine-1

8

Assembling of SNU & Gearbox of the Craft -2

8

Group 38

Navigation Aids

8

Port Rules

8

Navigation and Ocean Currents

8

Handling of Various Crafts

8

Group 39

Line Communication-1

8

IT and Networking

8

Line Communication-2

8

Splicing Techniques

8

Group 40

Veterinary Treatment

8

Veterinary Application

8

Advance Veterinary Treatment

8

Advance Veterinary Application

8

Group 41

Principles of Illumination & Exposure

8

Stripping Process

8

Advance Illumination & Exposure

8

Advance Stripping Process

8

Group 42

Introduction of Method of Composing

8

Printing and Cartography Technology

8

Composing Equipment

8

Printing Machines

8

Group 43	
Desk Top Publishing	8
Offset Printing	8
Screen Printing	8
Plate Making	8
Group 44	
Blood Transfusion	8
Haematology	8
Blood Transfusion & Resuscitation	8
Haematology and Serology	8
Group 45	
Laboratory Procedures-1	8
Clinical Pathology-1	8
Laboratory Procedures-2	8
Clinical Pathology-2	8
Group 46	
Psychiatric Nursing Assistant-1	8
Elementary Psycho Pathology-1	8
Psychiatric Nursing Assistant-2	8
Elementary Psycho Pathology-2	8
Group 47	
Operating Room Assistant-1	8
Critical Care and ICU Training-1	8
Operating Room Assistant-2	8
Critical Care and ICU Training-2	8
Group 48	
Medical Store Management-1	8
Pharmaceutics & Pharmacology-1	8
Medical Store Management-2	8
Pharmaceutics & Pharmacology-2	8
Group 49	

Special Treatment Assistant-1	8
Skin, VD& HIV/AIDS Surveillance-1	8
Special Treatment Assistant-2	8
Skin, VD& HIV/AIDS Surveillance-2	8
Group 50	
X-Ray Assistant-1	8
Radiography & X-Ray-1	8
X-Ray Assistant-2	8
Radiography & X-Ray-2	8
Group 51	
Health Sciences-1	8
Emergency Trauma & Combat Care-1	8
Health Sciences-2	8
Emergency Trauma & Combat Care-2	8
Group 52	
Sanitation	8
Health-1	8
Sanitation-2	8
Health-2	8
Group 53	
Physiotherapy Nursing Assistant-1	8
Theory of massage and exercise-1	8
Physiotherapy Nursing Assistant-2	8
Theory of massage and exercise-2	8
Group 54	
Comprehensive Dental Assistant Course-1	8
Comprehensive Dental Assistant Course-2	8
Advance Dental Assistant Course-1	8
Advance Dental Assistant Course-2	8
Group 55	
Comprehensive Dental Mechanics-1	8
Comprehensive Dental Mechanics-2	8

Advance Dental Mechanics-1	8
Advance Dental Mechanics-2	8
Group 56	
Comprehensive Dental Hygiene-1	8
Comprehensive Dental Hygiene-2	8
Advance Dental hygiene Care-1	8
Advance Dental hygiene Care-2	8
Group 57	
Navigation, Maintenance of craft and local administration over craft	8
Handling of various craft	8
Advance course in navigation, Maintenance of craft and local administration over craft	8
Advance course in handling of various craft	8

Any 16 credits from the following courses	
Leadership and Tactics-1	8
General Administration-1	8
Leadership and Tactics-2	8
General Administration-2	8
Map Reading and Marking	8
Navigation and Topography	8