

# UNIVERSITY OF JAMMU

(NAAC ACCREDITED 'A+' GRADE UNIVERSITY)  
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Academic Section

## NOTIFICATION

(23/GEN/Aug/23)

**Ref.: Academic Council Resolution of Item No. 3.37 dated 19.07.2023**

In pursuance of above Academic Council Resolution, it is notified for the information of all concerned that the following Diploma Courses are hereby introduced in the Disaster Management Centre, University of Jammu from the Academic Session 2023-24 onwards:

1. Diploma in Mountain Craft & Disaster Management
2. Diploma in Snow Craft & Disaster Management

The Course Scheme & Structure of the Certificate Courses are given in **Annexure** (Pg No. 1 to 11).

Sd/-

**DEAN ACADEMIC AFFAIRS**

No. F. Acd/I/23/9264-9363  
Dated: 29-08-2023

**Copy to:-**

1. Special Secretary to the Vice-Chancellor, University of Jammu for the kind information of the Vice-Chancellor please.
2. Sr. P.A. to the Dean Academic Affairs/Dean Research Studies
3. The Registrar/Controller of Examinations/Director (CDC/DDE)
4. All Heads of the Teaching Departments of the University
5. All Principals of affiliated/constituent colleges of the University
6. All Rectors/Directors of the Offsite Campuses, University of Jammu
7. All Principals of the affiliated Degree Colleges
8. Director, Computer Centre
9. Asstt./Dy. Registrar (Degree/Confidential/PRI/Exam.(U.G./P.G.)/Eval.(Prof/Non-Prof.)/Registration/Admission/AA)
10. I/c University Website for n.a.
11. Guard File.

*Sumitasharma*  
Deputy Registrar (Acad.) 28/8/23  
*Tolyf*

**SCHEME FORWARD OF DIPLOMA BY UNIVERSITY OF JAMMU FOR  
COURSES RUN AT HIGH ALTITUDE WARFARE SCHOOL**

**Reference**

MoU between High Altitude Warfare School (HAWS) & University of Jammu(UoJ) dated 03 May 2023.

**GENERAL**

HAWS conducts Mountain/ Winter Warfare (Basic) & Mountain/ Winter Warfare (Advance) Courses for service personals from Indian Army, Indian Air Force, Indian Navy, Central Armed Police Forces and Friendly Foreign Countries. Details of the courses conducted are as under:-

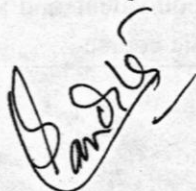
S.No	Name of Course	No of Courses	Timeline
(a)	Mountain Warfare (Basic)	02	May-Jun & Aug-Sep
(b)	Mountain Warfare (Advance)	02	Jun-Jul & Sep-Oct
(c)	Winter Warfare (Basic)	01	Jan-Mar
(d)	Winter Warfare (Advance)	01	Mar

These courses are conducted in Mountainous, Extreme High Altitude Area, Glaciated and Snow Bound Terrains. By the end of the course the students are proficient enough to undertake any kind of missions including Humanitarian Assistance & Disaster Relief (HADR) operation in these areas. By the virtue of the practical nature of training and dynamic state of environmental condition the instructors of this establishment are highly trained and proficient in negotiating these unforgiving terrains for undertaking disaster relief and rescue activities. Apart from conducting the regular courses, instructors are regularly employed in training Avalanche Rescue Teams and Mountain Rescue Teams of the Armed Forces. Since its inception High Altitude Warfare School has undertaken a number of disaster relief and rescue operations along with civil administration. This varied and continuously growing expertise of HAWS in the field of Disaster Management provides an upper edge to the personnel and students of this establishment for operation in the mountainous terrain. Grant of civilian certificate, diploma or degree to these qualified personnel and students of High Altitude Warfare School in the subject of Disaster Management from a recognized University of India will result in enhancement of individual academic qualification of immense benefit. Such an affiliation with a recognized University of India will also enhance this establishment's domain expertise from mutual interactions with academic faculty of the University.

UoJ, an 'A+' Grade NAAC Accredited University, runs academic programmes in Disaster Management and is most suited for mutual beneficial affiliation for grant of academic qualification in the subject to the personnel and students of High Altitude Warfare School. On 3<sup>rd</sup> May 2023, a Memorandum of Understanding (MoU) was signed between HAWS and UoJ which allowed students undergoing Mountain Warfare and Winter Warfare Courses at HAWS to be awarded Certificate/Diploma in Mountain Craft & Disaster Management/Snow Craft & Disaster Management by UoJ. Also the posted instructor staff involved in training will be awarded Under Graduate (UG)/ Post Graduate (PG) Degree on successful completion of laid down tour of duty & successfully passing the prescribed examination.

**AIM**

To lay down the procedure for award of Diploma to students undergoing Mountain/ Winter Warfare Courses at HAWS.



## Jammu University Component

The Memorandum of Understanding (MOU) outlines the collaborative role of University of Jammu and the HAWS in the awarding of diploma to the trainees at HAWS. The University faculty (Disaster Management Centre, Department of Geology) will serve as key contributors in curriculum development, ensuring that the program incorporates the latest research findings and best practices in the field. University faculty members shall also engage in teaching (Blended mode) and mentoring students, imparting theoretical insights and experience of the University faculty alongside the specialized training provided by the HAWS.

Besides, the faculty members of the Geology Department in collaboration with HAWS shall formulate/design comprehensive and thorough examination processes for various courses to be run under MOU. They will contribute their academic expertise to ensure that the examination format make parallels with standards of the University to uphold academic integrity and assesses the students' knowledge and skills effectively. The University faculty shall be also involved in creating examination papers, marking schemes, and grading criteria, ensuring fairness and accuracy in the evaluation process and also providing valuable insights for continuous improvement from time to time.

## ELIGIBILITY & REGISTRATION

### Eligibility

**Eligibility for Diploma:** All service personnel nominated to undergo Mountain/ Winter Warfare Course will be eligible for registering for award of Diploma.

### Following will be awarded Diploma:

- Diploma will be awarded to the students who qualify Mountain Warfare (Basic & Advance) Course and Winter Warfare (Basic & Advance) Course

### Admission/ Registration Form

The admission/ Registration form for registration into the Diploma in Mountain Craft & Disaster Management and Snow Craft & Disaster Management can be downloaded from the University website ([jammuuniversity.ac.in](http://jammuuniversity.ac.in)). A copy of the sample admission form is at **Appendix 'A'**.

### Enrolment

The admission form of the candidate must be verified by the Incharge training officer at HAWS and sent to the **"The Director, Disaster Management Centre, Department of Geology, University of Jammu, Jammu-180006"**.

### Fee Structure

The prescribed fee as given under along with Admission Form fee of ₹1000 (Rupees One Thousand Only) will be deposited through Net Banking/ UPI into Bank Account of **'Faculty of Study, HAWS'**, while filling the Admission Form. Remittance of the prescribed fee to UoJ will be done by HAWS.

S. No	Programme	Minimum Academic Qualification	Fee
(a)	Diploma in Mountain Craft & Disaster Management	Class 10+2 or equivalent from recognised board	₹1000/-
(b)	Diploma in Snow Craft & Disaster Management	Class 10+2 or equivalent and Certificate in basic course	₹1000/-

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**Last date**

The completed application forms alongwith the combined Demand Draft must reach **The Director, Disaster Management Centre, Department of Geology, University of Jammu, Jammu-180 006** within **10 days** of commencement of course/ tour of duty.

**Medium of Instruction**

The medium of instruction of all programmes would be English, Roman Hindi and Hindi.

**Study Material**

The study material would be made available by HAWS.

**AWARD OF ACADEMIC CREDENTIALS****Mode of Examination**

The mode of examination for the Diploma courses for HAWS trainers shall be of continuous mode which refers to an assessment method that emphasizes regular evaluation and ongoing assessment throughout a given period of the course which is contrary to a single final examination at the end of a course. This approach aims to assess students' progress and learning outcomes consistently and it involves various evaluation components such as assignments, projects, presentations, and periodic tests (bi-monthly), and spread throughout the duration of the course. The basic purpose and emphasis on continuous mode of examination is to assess students continuously keeping in mind the courses which have practical applicability and to move away from memorization to a deeper understanding of the subject matter, promoting a more comprehensive learning experience and to get timely feedback and address any gaps in understanding.

**Award of Diploma**

A service personal successfully qualifying on both Mountain/ Winter Warfare (Basic) Course as well as Mountain/ Winter Warfare (Advance) Course will be awarded Diploma. The credit point equivalence of syllabus and duration of **Mountain Warfare (Basic & Advanced) Course** and **Winter Warfare (Basic & Advance) Course** makes the student eligible for award of "**Diploma in Mountain Craft & Disaster Management**" / "**Diploma in Snow Craft & Disaster Management**". Credit Points equivalence for these courses is attached as **Appendix 'B'**.

The students will undergo both theory & practical tests for the subjects as laid down in the syllabus. The record of the same will be forwarded by training team to Department of Geology, University of Jammu for authentication. The record of award of marks, question papers & answer sheets of the students will be preserved at HAWS for five years.

The design/ format of Marksheet & Diploma is given at **Appendix 'C' & 'D'**.



**UNIVERSITY OF JAMMU  
DISASTER MANAGEMENT CENTRE  
DEPARTMENT OF GEOLOGY**

**ADMISSION FORM**

Form No. \_\_\_\_\_ Academic session \_\_\_\_\_

Name of the course: \_\_\_\_\_

**PERSONAL INFORMATION**

1. Name of the Applicant (in capital letters) \_\_\_\_\_
2. (a) Father's Name (in capital letters) \_\_\_\_\_  
(b) Designation/Occupation \_\_\_\_\_  
(c) Annual Income of the Father/Guardian: \_\_\_\_\_
3. Date of Birth: Day \_\_\_\_\_ Month \_\_\_\_\_ Year \_\_\_\_\_
4. (a) Address for Correspondence: \_\_\_\_\_  
(b) Permanent Address : \_\_\_\_\_  
(c) Mobile No. \_\_\_\_\_ E-mail Id \_\_\_\_\_
5. Sex (as applicable) : Male/ Female
6. Nationality: \_\_\_\_\_
7. State of Domicile: \_\_\_\_\_

8. **Academic Record (Please explain gaps, if any, in your educational career)**

Examination Passed	Board	Subjects	Year of Passing	Marks Obtained	Total Marks	%age of Marks obtained

Contd.

**Declaration to be made by the Applicant**

I solemnly declare that:

*(Signature)*

(a) All information given by me in this application form is complete and correct. I further declare that all documents attached with my application form are genuine. In the event of this being found otherwise, my candidature shall automatically stand cancelled besides any other action that may be taken against me by the University for my criminal or civil liability.

(b) In the event of my being granted admission to the "**Higher Education of Army Personnel and Research Work By University Faculty in Disaster Management in Higher Altitude and Snow Bound Areas**", I shall faithfully abide by the Statutes of the University of Jammu for this course. In case of any violation of these statutes on my part, the decision of the University regarding any disciplinary action against me under rules shall be final and binding on me.

(c) I shall not indulge in ragging and abide by all norms and remain disciplined. In case of any violation, I shall be liable to any action under law, including cancellation of my admission by the University.

(Signature of the HAWS Official with Seal)

Date : \_\_\_\_\_

(Full Signature of the Applicant)

Date : \_\_\_\_\_

Total No of Documents Attached:

(Signature of the Receiving Official)

Date:



**DETAILED SYLLABUS**  
**FOR MOUNTAIN WARFARE COURSE**

1. **PROGRAMME STRUCTURE FOR AWARD OF DIPLOMA IN MOUNTAIN CRAFT & DISASTER MANAGEMENT**

Ser No	Course Code	Subject Name	Credits	Hours	Evaluation Scheme (Marks)		Total Marks
					Practical	Theory	
1.	MC-01	Physical Endurance	5	75	50	30	80
2.	MC-02	Rock Craft & Mountain Disaster Relief	8	120	80	40	120
3.	MC-03	Stream Crossing & Flood Relief	3	45	30	20	50
4.	MC-04	Ice Craft & Glacier Disaster Relief	3	45	30	20	50
5.	MC-05	Snow Craft & Avalanche Rescue	2	30	30	20	50
6.	MC-06	Landslide & Rescue Methodology	2	30	30	20	50
7.	MC-07	Survival in Mountains	4	60	40	20	60
8.	MC-08	Disaster Mitigation Strategies	2	30	20	10	30
9.	MC-09	First Aid & Medical Skills	4	60	40	20	60
10.	MC-10	Advance Rock Craft Technique	5	75	50	30	80
11.	MC-11	Glacier Survival & Crevasse Rescue	4	60	40	20	60
12.	MC-12	Load Haulage & Reorganisation in Mountains	2	30	20	10	30
13.	MC-13	Abseiling in Mountains	2	30	20	10	30
14.	MC-14	Military Paper	5	75	50	30	80
15.	MC-15	Book Review	3	45	30	20	50
<b>Total</b>			<b>54</b>	<b>810</b>	<b>560</b>	<b>320</b>	<b>880</b>

2. **Detailed Syllabus**

**Physical Endurance (MC-01):** Acclimatization March of 1.5 kms., Acclimatization March of 2-3 kms., Acclimatization March of 2-3 kms with combat loads, Acclimatization March of 3-5 kms with 1000 ft ascent, Mountain Endurance Training, Mountain Physical Training with Load. (Progressively with 16, 18, 20 Kilo Gram).

**Rock Craft & Mountain Disaster Relief (MC-02):** Introduction to Rock Craft equipment (Care, Maintain and Use), Bouldering, Anchoring/Belaying / Free Climbing / Rappelling/ Pitch Climbing, Route Selection, Rope Fixing and Ascending on Fixed Rope, Glossary of Mountain Terminology, Do's & Don'ts in Mountains, Latest Trends in Mountaineering equipment & Clothes, Mountain Safety, Marching and Load Carrying Tech, Mountain Warfare Terminology, Effect of High Altitude Area on Operational, weapons and equipment, Military Rock Craft, Cliff Assault, Indian Army Kanchenjunga Expedition, Indian Army Mount. Everest Expedition – 2001, Indian Army Women Mount Everest Expedition 2012, Avalanche, Consideration for Exercise, Tactical Exercise without troops, Approach march to Cliff Base & Standoff, Recce of objective, Rope Fixing & Cliff Negotiation & Assault, Move to Objective/Infiltration (via Sukh Nala/ Kibla Nala), Assault, Exfiltration, Mountain Navigation, Mountain Leadership in High Altitude Areas, Problems of administrative in Mountain/High Altitude Areas, Cliff Assault/ Attack in Mountain, Patrolling in Mountain/HAA, Navigation (Exercise HIM KHOJ at Machoi), Night Training (Lead Climbing, Pitch Climbing, Free Climbing, Making of Bases)



**Stream Crossing & Flood Relief (MC-03):** Wading In, Preparation of Bases in Mountain Stream and Crossing, Tyrolean Traverse, Burma Bridge, Double Rope Bridge, Single Rope Bridge, Casualty Evacuation, Tree Belay, Anchor Water crossing

**Ice Craft & Glacier Disaster Relief (MC-04):** Introduction to Ice Craft equipment's, Care, maintenances and Use, Technique of Ice Wall Climbing (2 points, 3 points & 4 point), Route Selection & Rope Fixing on Ice Wall, Crevasse Fall & Rescue Drills Practice, Prep of Ice Bases, Rope Fixing on ice wall, Rappelling with Horn Base, Rappelling with Single Ice Piton & Negotiating Overhang with Ladder Emery, Artificial and Aid Ice Climbing, 2 Piton Climbing.

**Snow Craft & Avalanche Rescue (MC-05):** Intro to use of Snow Craft equipment, Care, Maintenances and Use, Use of Soft Snow equipment (Dead Man, Dead Boy, Snow Bar & Improvised Bases), Glissading, Fall Arrest, Position of Ice Axe While Marching, Preparation of Soft Snow Bases, Height Gain Exercise (Exercise HIM VIJAY), Avalanche, Introduction To Avalanche Rescue Equipment, Care, Maintenances and Use, Introduction & Use of Avalanche Victim Detector, Use of Avalanche Rod, Method of Search with Avalanche Victim Detector, Method of Search with Avalanche Rod, Recco Rada, Snow Craft, Avalanche Rescue Drill

**Landslide & Rescue Methodology (MC-06):** Introduction to Ropes/Types Care, Maintenances and Use, Coiling of Rope, Knots & Hitches, Prep of Bases, Ladder Launching, Use of Expansion Bolt, Use of Safety/Belay Plates, Rescue Tripod, Neumatic Rope Launcher, Mountain Hazards

**Survival in Mountains (MC-07):** Use of Altimeter, Rope-Life Line of a Mountain Warrior, Below tree line (48h), Above tree line (48h), Prep of Shelters, Cam and Concealment, Introduction to Mountain Clothing, Mountain Survival

**Disaster Mitigation Strategies (MC-08):** Planning of a Rescue Mission

**First Aid & Medical Skills (MC-09):** Basic Life support & First Aid, Camp Hygiene, Combat First Aid and Cardio Pulmonary Resuscitation, , Cold Injuries , Effects of High Altitude & Cold Injuries and Precautions, Personals Hygiene In Mountain and Snow Bound Area, Staying Fit In High Altitude Areas, Health Hazards in High Altitude Areas

**Advance Rock Craft Technique (MC-10):** Operational Machoi (March to Glacier), Long Pitch Climbing & Free Climbing (Long Pitch Climbing (Rock Area), Free Climbing (Rock Area), Prep of Bases, Fixed Rope Climbing), Lead Climbing, Artificial and Aid Climbing (With Jumar (single/double), Use of Expansion Bolt, Use of Belay Plates), Advance Military Rock Craft Technique & Artificial Climbing, A, dvance Ice Craft Technique, '2' Piton Climbing, Belay Device (Ergo Belay Device, Tuber, Mono), Indian Army Expedition to Mt Manaslu, Operational Zojila, Opening Narrative and Briefing, Tactical Exercise without troops, Orders by Appointments, Close Target Recce and Making of Raid Plan, Rehearsals of Drills, Raid, DE- Briefing, Raid in Mountains, Attack by Infiltration, Use of Explosives/Demo in High Altitude Areas, Battle of the Mountains Pass

**Glacier Survival & Crevasse Rescue (MC-11):** Ice Craft Tech (Improvised Methods of Negotiating Glacier Hazards), Glacier March, Conduct of Military Operation in Glaciated Terrains, Introduction to Glaciers, Camping in Snow and Mountains, Expedition Planning & Expedition Report, Mountain Weathers, I, N & Z Methods for Crevasses Rescue

**Load Haulage & Reorganisation in Mountains (CM-12):** Haulage of load using power ascender, 1947 Battle of Zojila, Operation Navdeep, Operation Rajiv, Battle of Rezang La, Operation Crystal (Operation Kistal). Op Pawan Hans.

**Abseiling in Mountains (CM-13):** Abseiling Bases, Abseiling without bases, Abseiling with 18 kg load, Overhang Abseiling, Hasty Abseiling, Stomach Abseiling, Shoulder Abseiling, Flying Fox

**Military Paper (CM-14)**

**Book Review (CM-15):** The trainees shall be provided a book in different aspects of Mountain Warfare for a general reading who in turn shall submit a detailed review of the book.

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**DETAILED SYLLABUS**  
**FOR DIPLOMA IN SNOW CRAFT & DISASTER MANAGEMENT**  
**(WINTER WARFARE COURSE)**

**1. PROGRAMME STRUCTURE FOR AWARD OF DIPLOMA IN SNOW CRAFT & DISASTER MANAGEMENT**

Ser No	Course Code	Subject Name	Credit	Hours	Evaluation Scheme		Total
					(Marks)		
					Practical	Theory	
1.	SC-01	Physical Endurance	5	75	50	20	70
2.	SC-02	Basics of Skiing	5	75	50	20	70
3.	SC-03	Ski Techniques	6	90	60	30	90
4.	SC-04	Understanding Avalanche	3	45	30	20	50
5.	SC-05	Survival in Snowbound Areas	4	60	40	20	60
6.	SC-06	Winter Hazard, Risk & Vulnerability	3	45	30	20	50
7.	SC-07	Avalanche Response Plan	2	30	20	10	30
8.	SC-08	Study of Avalanche Slopes	2	30	20	10	30
9.	SC-09	Disaster Mitigation	2	30	20	10	30
10.	SC-10	First Aid & Medical Skills	4	60	40	20	60
11.	SC-11	Winter Advance Field Craft	6	90	60	30	90
12.	SC-12	Ski Patrolling	5	75	50	20	70
13.	SC-13	Special Heliborne Operations	2	30	20	10	30
14.	SC-14	Military Paper	5	75	50	30	80
15.	SC-15	Book Review	3	45	30	20	50
<b>Total</b>			<b>57</b>	<b>855</b>	<b>570</b>	<b>290</b>	<b>860</b>

**2. Detailed Syllabus**

**Physical Endurance (SC-01):** Acclimatization March of 1.5 kms, Acclimatization March of 2-3 kms, Acclimatization March of 2-3 kms with combat load, Acclimatization March of 3-5 kms with 1000 ft ascent, Lang-Lauf.

**Basics of Skiing (SC-02):** Introduction to Ski Equipment, Wearing & Fitting of Ski, Putting on Skis, Standing & Walking, Schussing, Fall & Recovery, Sliding & Gliding, Introduction & Use of Ski Skin, Introduction & Use of Snow Modular Shoes, Move on Ski with Skin, Cross Country move on Ski with full Combat Load, Casualty Evacuation on Skis, History of Skiing in India & Indian Army, Winter Terminology.

**Ski Techniques (SC-03):** Snow Plough, Brake & Turn, Downhill Traverse & Kick Turn, Stem Turn, Stem Swing, Dynamic Stem Swing, Parallel Turn, Christiania, Intro to Off Piste Skiing, Parallel

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Turns, Pole Plant & Christiania, Off Piste Skiing with Combat Load, Ski Jump, Tech of Mov on Skis & Skiing while being Roped Up, Application (Slalom, Giant Slalom, Nordic).

**Understanding Avalanche (SC-04):** Avalanche, Reasons for triggering of an Avalanche, Avalanche prone slope crossing drill.

**Survival in Snowbound Areas (SC-05):** Introduction to Rock Craft Equipment, Knot and Hitches, Hold and artificial wall climbing, Anchor and Belaying, Preparation of Rock Bases, Crevasse Rescue drill, Latest Trends in Ski equipment and Clothes, Survival in Snow Bounds Areas, Camping in Snow Bounds Areas, Problems of Administration in High Altitude & Snow Bounds Areas.

**Winter Hazard, Risk & Vulnerability (SC-06):** Mountain weather, Winter Hazards, Do's & Don'ts in HA/Snow bound Areas.

**Avalanche Response Plan (SC-07):** Artificial Triggering of Avalanche, Avalanche Rescue, DRGE Avalanche Guide, Intro to avalanche Rescue Eqpt, Care & maintains, Probing with avalanche Rod, Search with Avalanche Victims Detector.

**Study of Avalanche Slopes (SC-08):** Snow Stability Test, Avalanche I, Avalanche II, Use of Explosives & Demolition in Snow bound areas, DRGE Avalanche Accidents.

**Disaster Mitigation (SC-09):** Use of Altimeter, Hand Held weather station, Cas Evac in Snow, Dog Rescue.

**First Aid & Medical Skills (SC-10):** Personal Hygiene in HA & Snow Bounds Areas, Effect of HA on Health & its Prevention, First Aid, Cardio Pulmonary Resuscitation, Cold Injuries & its Prevention, Camp Hygiene, Keeping Fit in High Altitude Area & Snow Bound Area.

**Winter Advance Field Craft (SC-11):** Winter field Craft, Survival in Snow Bound Area, Individual Battle Drill with and without Skis, Ex-Khillan Sheet Kala, Ex-Ibex Hunt, Raid (Including Surveillances, Recce & Target Designation), Snow Shelters, Winter Field Craft.

**Ski Patrolling (SC-12):** Discussion on requirements, Infiltration, Conduct of Raid, Exfiltration and Debriefing, Ski Troopers as Force Multipliers in Operations in Snow bound Areas, Org of Ski patrol, Long Recce Patrol on Skis, Load Carrying Technique, Patrolling in Snow Bound Area.

**Special Heliborne Operations (SC-13):** Employment of Ski Troops, Effects of Cold on weapons & Equipment, Leadership in Snow Bounds Areas, Retaining Combat Efficiency, Navigation in Snow Bounds Areas, Effect of Snow on Minor Tactics, Day Navigation in Snow Bounds Areas (Ex-GUL KHOJ).

**Military Paper (SC-14):**

**Book Review (SC-15):** The trainees shall be provided a book in different aspects of Mountain Warfare for a general reading who in turn shall submit a detailed review of the book.

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## University of Jammu MARKSHEET



### DIPLOMA IN MOUNTAIN CRAFT & DISASTER MANAGEMENT

Marks obtained by ..... s/o or d/o of Shri .....  
 .....bearing Registration No ..... during the year .....at the High Altitude  
 Warfare School, Gulmarg, Union Territory of Jammu & Kashmir for Mountain Warfare Course  
 ..... conducted with effect from ..... to .....

Code	Subject	Max Marks		Marks Obtained		Total Marks	Grade
		Th	Prac	Th	Prac		
MC-01	Physical Endurance	30	50				
MC-02	Rock Craft & Mountain Disaster Relief	40	80				
MC-03	Stream Crossing & Flood Relief	20	30				
MC-04	Ice Craft & Glacier Disaster Relief	20	30				
MC-05	Snow Craft & Avalanche Rescue	20	30				
MC-06	Landslide & Rescue Methodology	20	30				
MC-07	Survival in Mountains	20	40				
MC-08	Disaster Mitigation Strategies	10	20				
MC-09	First Aid & Medical Skills	20	40				
MC-10	Advance Rock Craft Technique	30	50				
MC-11	Glacier Survival & Crevasse Rescue	20	40				
MC-12	Load Haulage & Reorganisation in Mountains	10	20				
MC-13	Abseiling in Mountains	10	20				
MC-14	Military Paper	20	30				
MC-15	Book Review	20	30				
<b>Total</b>							

### GRADE POINT SYSTEM

Marks Awarded in each Subject	GPA	
	Classification	Letter Grade
90-100%	Outstanding	O
80-89%	Very Excellent	A <sup>+</sup>
70-79%	Excellent	A
60-69%	Very Good	B <sup>+</sup>
50-59%	Good	B
40-49%	Fair	C
36-39%	Average	D
Below 36%	Fail	E

GPA (Grade Point Average) :

Grade :

Classification :

Director  
Disaster Management  
Centre

Senior Instructor  
HAWS, Gulmarg

Controller of Examination  
University of Jammu

Date of Issue:

*(Handwritten Signature)*

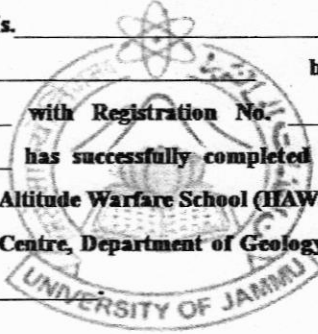
SAMPLE OF DIPLOMA

**DISASTER MANAGEMENT CENTRE  
DEPARTMENT OF GEOLOGY  
UNIVERSITY OF JAMMU**

S.No. \_\_\_\_\_

**CERTIFICATE/DIPLOMA**

This is to certify that Mr./Ms. \_\_\_\_\_ Son/ Daughter of  
Shri/Smt. \_\_\_\_\_ bearing Personal No. \_\_\_\_\_  
with Registration No. \_\_\_\_\_ of  
\_\_\_\_\_ has successfully completed Mountain Warfare ( Basic  
Course) conducted by High Altitude Warfare School (HAWS), Gulmarg in collaboration  
with Disaster Management Centre, Department of Geology, University of Jammu from  
\_\_\_\_\_ to \_\_\_\_\_



\_\_\_\_\_  
**Director  
Disaster Management**

\_\_\_\_\_  
**Commandant  
HAWS, Gulmarg**

\_\_\_\_\_  
**Controller of Examination  
University of Jammu**

*[Handwritten Signature]*