



# UNIVERSITY OF JAMMU

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

Academic Section

## NOTIFICATION

In pursuance of University Council Resolution No.80.23 dated 25.04.2016, it is notified for the information of all concerned that the following Three Months Certificate Courses in the Disaster Management Centre, University of Jammu, Jammu are hereby introduced:

1. Certificate Course in Disaster Management (Rock craft and Mountain Rescue);
2. Certificate Course in Disaster Management (Search, Rescue and Survival); and
3. Certificate Course in Disaster Management (Snow craft and Avalanche Rescue).

These Courses shall be run on the following parameters:

1. Such a short term course shall remain a part of the Department.
2. The faculty member who designs the course contents will be the Course Coordinator.
3. Candidates desirous of joining such course(s) shall not have the status of University students and shall have no right for any sort of concession such as Library, Railway etc. However, Departmental Library where such short term course is being conducted, can extend reading room facility to such students.
4. Such students shall be issued participation certificate signed by the Course Coordinator and Head of the Department concerned.

The Course Scheme & Structure of the Certificate Courses are given in Annexure (Pg No. 1 to 15).

Sd/-  
DEAN ACADEMIC AFFAIRS

No. F. Acd/I/23/4929-4939  
Dated: 13-06-2023

### Copy to:-

1. Special Secretary to the Vice-Chancellor, University of Jammu for the kind information of the Worthy Vice-Chancellor please.
2. Sr. P.A. to the Dean Academic Affairs
3. Sr. P.A. to the Registrar/Controller of Examinations/Director, CDC/DIQA
4. Head, Department of Geology
5. Director, Disaster Management Centre
- ✓ 6. I/c University Website for uploading this notification.
7. Guard File.

*Sumitkaur*  
13/6/23  
Deputy Registrar (Academic)

*SS* 13/6/23  
*OC* 13/6  
*T* 13/06/23

Annexure

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

**Subject: Initiation of Skill Based Certificate Courses in Disaster Management**

**Name of the certificate courses**

- 1) **Certificate Course in Disaster Management (Rock craft and Mountain Rescue)**  
*July to September*
- 2) **Certificate Course in Disaster Management (Search, Rescue and Survival)**  
*October to December*
- 3) **Certificate Course in Disaster Management (Snow craft and Avalanche Rescue)**  
*January to March*

**Background**

Globally millions of people are affected by natural and anthropogenic disasters, thousands of people are killed, physical infrastructure worth billions is damaged and economy of nations is destroyed by these unfortunate events. After enacting the National Disaster Management Act, 2005 in India, there has been a paradigm shift in the disaster management policy from crisis management to risk management. Now, disaster risk mitigation is the main concern instead of disaster response. The vision of the national disaster management plan outlines to make India disaster resilient, achieve substantial disaster risk reduction, and significantly decrease the losses of life, livelihoods, and assets (including economic, physical, social, cultural, and environmental) by maximizing the ability to cope with disasters at all levels of administration as well as among communities.

The Union Territory of Jammu and Kashmir is vulnerable to many hazards and has been affected by various disasters including earthquakes, floods, landslides, snow avalanches, cloud bursts, terrorism etc. These catastrophes have resulted in thousands of fatalities and extensive physical infrastructure damage. It is necessary to lower the risk and strengthen society's resistance to such catastrophes. This can be achieved by understanding hazards and managing disaster risk, investing in disaster risk reduction for resilience, and improving disaster preparedness for efficient response. Through the acquisition of knowledge and its use in prevention activities, disaster risk reduction aims to reduce the damage caused by the disasters.

The University of Jammu (UOJ) and High Altitude Warfare School (HAWS), Gulmarg have entered into a MOU which records mutual intent for academic and research collaboration between the UOJ and HAWS for academic and technical advancement and progression of Army personnel and UOJ personnel (students and faculty members) specifically in the discipline of High Altitude studies and Disaster Management in mountainous regions.



The Disaster Management Centre (DMC) of Geology Department, University of Jammu has the goal of educating, training, and developing trained workforce in disaster management as well as conducting research on natural hazards. In this regard DMC proposes to initiate three month's Certificate Courses in Disaster Management. These courses shall enhance the skills and address all stages of disaster management including (i) pre- disaster preparedness and mitigation, (ii) rescue and relief in the context of disaster and (iii) post disaster rehabilitation, reconstruction and recovery. Additionally, these courses will aid in developing the skills of learners to get self employment by planning different adventure sports/camps and also help to enhance the unexplored adventure sports of Jammu region.

These certificate courses shall have two components including theory and practical training. The theory component and basic training shall be conducted in the University of Jammu and advance practical training and skill enhancement for 10 to 15 days shall be conducted by the HAWS at their training centres in Kashmir.

These three certificate courses shall be of 3 month duration each and shall be conducted at different time frames (July-September; October-December; January-March).

#### **Eligibility**

The certificate courses shall be of introductory level foundational course for candidates having passed 10+2 examination by a recognised board and having less than 32 years of age.

#### **Faculty**

The Department of Geology has the qualified permanent faculty who are teaching and conducting research in various aspects of disasters whose services can be utilised for teaching of the courses. Besides, faculty can also be drawn from HAWS and various government and other organisations having expertise in various aspects of disaster management. The resource personnel engaged for these certificate courses shall be paid remuneration as per the rules of University of Jammu.

#### **Infrastructure**

One floor in the newly constructed additional block of the Geology Department belongs exclusively to the Disaster Management Centre. The Centre has two class rooms and an administrative office with required infrastructure for teaching and a good number of text books.

#### **Intake of seats**

The DMC plans to start a batch of 30 students at the initial stage. There shall be reservation of 20% for the in-service applicants deputed/sponsored by various government and other organisations. The intake and number of batches can be reviewed depending upon the success and demand in future.

#### **Fee Structure**

The fee structure includes the registration fee, honorarium for the resource persons, examination fee, training charges to be paid to HAWS, travel charges from University of Jammu to training

*Pandit*




centre and back to University of Jammu etc. Every student enrolled in the certificate programme must pay an admission fee of **Rs. 20,000** at the time of admission. The fee structure is subject to periodic revision in accordance with University of Jammu regulations. The expenditure for running the course shall be met out of the budgetary allocation of the centre and fee collected from the students. The candidates shall be responsible for covering any other expenses which may be notified by the DMC from time to time.

### **Mode of Examination**

The mode of examination for the proposed certificate courses shall be a combination of written examination, project work and regular evaluation during training at HAWS. The written examinations shall be of one theory paper of 75 marks at the end of the course usually consisting of structured questions that assess students' theoretical knowledge and understanding of subject principles, concepts and strategies. The theory paper shall be of two and half hours (2½) duration of 75 marks, whereas project work of 25 marks shall consist of self study on various aspects of disaster management etc.

Since practical exercises serve as the foundation of such courses and playing a crucial role in assessing students' ability/capacity to apply their knowledge in simulated disaster scenarios. These scenarios cover field-based exercises and role-playing activities enabling students to demonstrate their skills in managing various aspects of a disaster situation. The candidate's daily performance will determine their practical awards earned by the candidate as per the daily performance during the training with HAWS/DMC out of 100 marks. A certificate shall be awarded to those candidates by the University of Jammu who successfully complete all components of the certificate course.

The Sample Certificate and other documents required for undergoing certificate course in Disaster Management are appended as Annexure-I-V

  
UNIVERSITY OF JAMMU

**CERTIFICATE COURSE IN  
DISASTER MANAGEMENT (ROCK CRAFT AND MOUNTAIN RESCUE)**

Mountaineering and rock craft is an adventure sport which helps in improving physical and cardiovascular fitness. It helps in improving personal confidence and team working skills. The course will also provide a source of employment for the local youth as rescue operators will act as trek guides and rock craft trainers for adventure sports apart from broadening their horizons and acting as a trained manpower to tackle any eventuality.

**COURSE MODULE**

The course shall be of 8 credits including 3 credits of theory, one credit project work and 4 credits of practical training. The theory shall include 45 hours' class work and 15 hours' project work at the University of Jammu followed by 10 to 15 days practical training which shall be conducted by HAWS at their training centres. The time table for the course shall be prepared at the time of admission by the DMC. The broad titles of the course curriculum shall be as follows:

**Learning Objectives**

To provide the participants with the basic concepts of disaster management

To provide the participants with the basic knowledge of rock craft and mountaineering

To provide participants with the training skills in rock climbing

**A) THEORY COMPONENT**

**Understanding various aspects of Disasters**

Concept and definitions of hazards, disasters and vulnerability

Prime Minister's Ten Point Agenda on Disaster Risk Reduction (DRR)

Natural Disasters: Earthquakes, Tsunami, Floods, Landslides, Snow avalanches, Cyclones etc.

Anthropogenic disasters: Fires, Nuclear accidents, Terrorism, Bio-Chemical disasters etc.

Causative factors and mitigation measures of disasters.

Capacity Building-concept and importance

Community awareness, preparedness, training, mock drills

Crisis and Emergency Risk Communications

Disaster Response- concept and nature

Disaster Response Plan; Disaster Management Act, 2005; National Disaster Management Plan 2

**Rock Craft and Mountaineering**

Understanding rock climbing and mountaineering

Expeditions, Treks, Survival in mountains, Navigation, Acclimatization

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Trip Planning, Weather forecasts, Route Selection, Basic Navigation  
Safe travel techniques and etiquettes  
Clothing, Climbing gears, Mountaineering equipment  
Techniques for camping in mountains, shelters  
Basic climbing techniques  
Balancing and safety  
Climbing and Rapelling  
Knots and safety fundamentals  
Climbing Communication  
Top Rope Climbing

**B) Project work**

All the admitted students shall undertake a project work on various aspects related to the Certificate course and submit a project report.

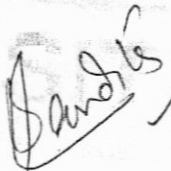
**C) Practical Training Component**

The practical training for developing of skills shall be conducted by the instructors at HAWS as per their training schedule.

Besides, practical training shall also be imparted about emergency response, evacuation, medical emergency with the help of State Disaster Response Force and Fire and Emergency Services Department.



Prof. S. K. Pandita  
Director  
Disaster Management Centre



UNIVERSITY OF JAMMU

**CERTIFICATE COURSE IN  
DISASTER MANAGEMENT (SEARCH, RESCUE AND SURVIVAL)**

Search and rescue is a technical activity rendered by a group of specially trained personnel, who rescue and attend to the casualties under adverse conditions, where life is at threat.

**COURSE MODULE**

The course shall be of 8 credits including 3 credits of theory, one credit project work and 4 credits of practical training. The theory shall include 45 hours' class work and 15 hours' project work at the University of Jammu followed by 10 to 15 days practical training which shall be conducted by HAWS at their training centres. The time table for the course shall be prepared at the time of admission by the DMC. The broad titles of the course curriculum shall be as follows:

**Learning Objectives**

- To provide the participants with the basic concepts of disaster management.
- To provide the participants with the basic knowledge of rescue and relief.
- To provide participants the training in handling emergency events.

**A) THEORY COMPONENT**

**Understanding various aspects of Disasters**

Concept and definitions of hazards, disasters and vulnerability

Prime Minister's Ten Point Agenda on Disaster Risk Reduction (DRR)

Natural Disasters: Earthquakes, Tsunami, Floods, Landslides, Snow avalanches, Cyclones etc.

Anthropogenic disasters: Fires, Nuclear accidents, Terrorism, Bio-Chemical disasters etc.

Comprehensive understanding of the causative elements and effective measures to mitigate diverse types of disasters.

Capacity Building-concept and importance

Community awareness, preparedness, training, mock drills

Crisis and Emergency Risk Communications

Disaster Management Act, 2005

National Disaster Management Plan

**Medical Emergency and Response**

Disaster Response- concept and nature

Disaster Response Plan

Search, Rescue and Evacuation

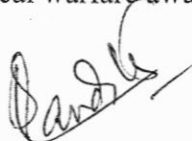
Golden hour Resuscitation, Choking and airway management, Cardio-pulmonary resuscitation

Trauma, Bullet/ splinter injuries and management, Management of state of shock

Burns, Chemical acid attack management, Insect/ animal bite and response,

Limb amputations and management, Fractures/ dislocations and management

Nuclear/ chemical/ biological warfare awareness





Emergency Operations Plan.(EOP)  
Hazard-Specific Response Plan/Annexes  
Incident Management System (IMS): Purpose, Role, structure, functioning,  
Factors affecting Emergency Management  
Principles of Emergency Management

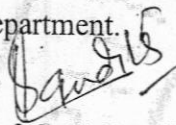
**B) Project work**

All the admitted students shall undertake a project work on various aspects related to the Certificate course and submit a project report.

**C) Practical Training Component**

The practical training for developing of skills shall be conducted by the instructors at HAWS as per their training schedule.

Besides, practical training shall also be imparted about emergency response, evacuation, medical emergency with the help of State Disaster Response Force and Fire and Emergency Services Department.

  
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Director  
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**CERTIFICATE COURSE IN  
DISASTER MANAGEMENT (SNOW CRAFT AND AVALANCHE RESCUE)**

The Union Territory of Jammu and Kashmir is prone to snow avalanches and landslides and many people have lost their lives due to these disasters. Training local youth and volunteers shall help in developing avalanche rescue cadre and augment the capability to minimize the delay in saving precious lives. The course will also provide a source of employment for the local youth as rescue operators will act as trek guides apart from broadening their horizons and acting as a trained manpower to tackle any eventuality.

**COURSE MODULE**

The course shall be of 8 credits including 3 credits of theory, one credit project work and 4 credits of practical training. The theory shall include 45 hours' class work and 15 hours' project work at the University of Jammu followed by 10 to 15 days practical training which shall be conducted by HAWS at their training centres. The time table for the course shall be prepared at the time of admission by the DMC. The broad titles of the course curriculum shall be as follows:

**Learning Objectives**

- To provide the participants with the basic concepts of disaster management
- To provide the participants with the basic knowledge of snow craft and avalanche rescue
- To provide participants with the training in handling emergency events

**A) THEORY COMPONENT**

**Understanding various aspects of Disasters**

Concept and definitions of hazards, disasters and vulnerability  
Prime Minister's Ten Point Agenda on Disaster Risk Reduction (DRR)  
Natural Disasters: Earthquakes, Tsunami, Floods, Landslides, Snow avalanches, Cyclones etc.  
Anthropogenic disasters: Fires, Nuclear accidents, Terrorism, Bio-Chemical disasters etc.  
Causative factors and mitigation measures of disasters.  
Capacity Building-concept and importance  
Community awareness, preparedness, training, mock drills  
Crisis and Emergency Risk Communications  
Disaster Response- concept and nature  
Disaster Response Plan; Disaster Management Act, 2005; National Disaster Management Plan

**SNOW CRAFT AND AVALANCHE RESCUE COURSE**

Basics and types of avalanches, Identification of avalanche terrain,  
Precautions before moving in an avalanche area  
Acclimatization, Snow craft, Expeditions, Treks, Survival in mountains, Navigation  
Trip Planning, Weather forecasts, Route Selection, Snow stability checklists, Basic Navigation

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Safe travel techniques and etiquettes  
Clothing, Equipment, Gear and gadgets  
Avalanche slope crossing drill  
Actions carried out when caught in avalanche  
Avalanche rescue operation  
Transceiver Checks  
Techniques for camping in snow and emergency shelters (snow shelters / bothy bag)  
Search, Rescue and Evacuation

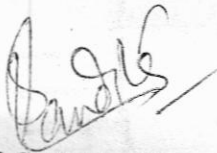
**B) Project work**

All the admitted students shall undertake a project work on various aspects related to the Certificate course and submit a project report.

**C) Practical Training Component**

The practical training for developing of skills shall be conducted by the instructors at HAWS as per their training schedule.

Besides, practical training shall also be imparted about emergency response, evacuation, medical emergency with the help of State Disaster Response Force and Fire and Emergency Services Department.



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**PROGRAMME STRUCTURE FOR THE AWARD OF CERTIFICATE IN  
DISASTER MANAGEMNET (ROCK CRAFT AND MOUNTAIN RESCUE)**

S. No	Course Code	Subject Name	Credits	Hours	Total Marks
1.	DMRCM-01	Understanding of various aspects of disaster; Rock Craft and Mountain Rescue	3	45	75
2.	DMRCM-02	Project work	1	15	25
3.	DMRCM-03	Practical skill training	4	60	100
<b>Total</b>			<b>8</b>	<b>120</b>	<b>200</b>

**PROGRAMME STRUCTURE FOR THE AWARD OF CERTIFICATE IN  
DISASTER MANAGEMNET (SEARCH, RESCUE AND SURVIVAL)**

S. No	Course Code	Subject Name	Credits	Hours	Total Marks
1.	DMSRS-01	Understanding of various aspects of disasters; Search, Rescue and Survival	3	45	75
2.	DMSRS-02	Project work	1	15	25
3.	DMSRS-03	Practical skill training	4	60	100
<b>Total</b>			<b>8</b>	<b>120</b>	<b>200</b>

**PROGRAMME STRUCTURE FOR THE AWARD OF CERTIFICATE IN  
DISASTER MANAGEMNET (SNOW CRAFT AND AVALANCH RESCUE)**

S. No	Course Code	Subject Name	Credits	Hours	Total Marks
1.	DMSCM-01	Understanding of various aspects of disaster; Snow craft and Avalanche Rescue	3	45	75
2.	DMSCM-02	Project work	1	15	25
3.	DMSCM-03	Practical skill training	4	60	100
<b>Total</b>			<b>8</b>	<b>120</b>	<b>200</b>

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

**Appendix-II**



**ADMISSION FORM**

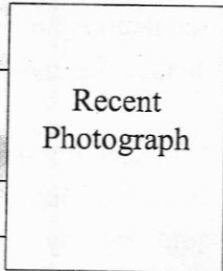
Form No. \_\_\_\_\_ Academic session \_\_\_\_\_

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

**PERSONAL INFORMATION**

01. Name of the Applicant: \_\_\_\_\_  
(In capital letters)

02. (a) Father's Name: \_\_\_\_\_  
(b) Designation/Occupation: \_\_\_\_\_  
(c) Annual Income of the Father/Guardian: \_\_\_\_\_



03. Date of Birth: Day \_\_\_\_\_ Month \_\_\_\_\_ Year \_\_\_\_\_

04. (a) Address for Correspondence: \_\_\_\_\_

(b) Permanent Address: \_\_\_\_\_

(c) Contact Details: Mobile No.: \_\_\_\_\_ (d) E-mail: \_\_\_\_\_

05. Sex (as applicable): Male/ Female

06. Nationality: \_\_\_\_\_ State of Domicile: \_\_\_\_\_

07. Academic Record

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

Contd.

*Sandals*



## Declaration to be made by the Applicant

I solemnly declare that:

- (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 “**Certificate course in Disaster Management**” the practical training with High Altitude Warfare School (HAWS) in Higher Altitude and Snow Bound Areas, I shall faithfully abide by the Statutes of the University of Jammu and regulations of the HAWS for this course. In case of any violation of these statutes/regulations on my part, the decision of the University/ HAWS regarding any disciplinary action against me under rules shall be final and binding on me.
- (c) I shall not indulge in any ragging/ indiscipline 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.
- (d) I am physically fit to undergo high altitude training for which a fitness certificate from Government Hospital is attached herewith.

(Full Signature of the Applicant)

(Signature of the Parent/Guardian)

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

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

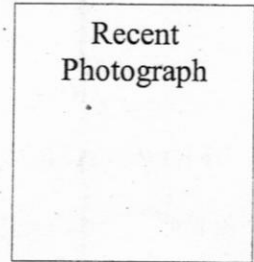
### NOTE:

The course being physically challenging, there will be requirement of submitting indemnity bond on ₹ 10 Non-Judicial Stamp Paper by every student admitted before undertaking the course. The necessary indemnity bond is attached with this application.



SAMPLE FOR INDEMNITY BOND

BOND OF INDEMNITY



In consideration of the enrolment of \_\_\_\_\_  
son/daughter of \_\_\_\_\_ R/o \_\_\_\_\_

as a student of Disaster Management Centre, Geology Department, University of Jammu, Jammu, I hereby undertake and agree that neither I nor my executors, administrators, or other legal representatives will make any claims against the University of Jammu/HAWS/Government or against any officials of the University of Jammu and Indian Army, or against any person in the service of the Government, in relation to any injury or loss of property or person, including fatal injuries, sustained by me during the training time as a student of Disaster Management Centre. I understand and acknowledge that no compensation will be provided by the University of Jammu and Indian Army, or against any person in the service of the Government for any such loss or injury. Furthermore, I agree to bind myself, my heirs, executors, and administrators to indemnify any officials of the University of Jammu and Indian Army or any person in the service of the Government, against any claims that may arise from a third party against them due to any act or omission on the part of the course.

It is further declared that the stamp duly payable on the undertaking shall be borne by me on the \_\_\_\_\_ day of \_\_\_\_\_.

(Sig of Applicant) \_\_\_\_\_

Witness No 1

Witness No 2

Sig. \_\_\_\_\_

Sig. \_\_\_\_\_

Name & Address

Name & Address

Contact Details

Contact Details

**SAMPLE OF CERTIFICATE & MARKSHEET FOR AWARD OF CERTIFICATE**

University of Jammu



## MARKSHEET

**CERTIFICATE IN DISASTER MANAGEMENT (ROCK CRAFT AND MOUNTAIN RESCUE)**

Name of the Candidate: ..... Parentage: .....

Regd. No.: ..... Year: ..... Session: .....

Course Code	Subject Name	Maximum Marks	Marks Obtained	Total Marks	Grade
DMSRS-01	Understanding of various aspects of disasters; Search, Rescue and Survival	75			
DMSRS-02	Project work	25			
DMSRS-03	Practical skill training	100			
<b>Total</b>		200			

**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:



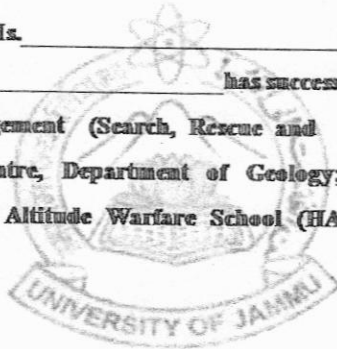
**DISASTER MANAGEMENT CENTRE  
DEPARTMENT OF GEOLOGY  
UNIVERSITY OF JAMMU**



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

**CERTIFICATE**

This is to certify that Mr/Ms. \_\_\_\_\_ Son/ Daughter of  
Shri/Smt. \_\_\_\_\_ has successfully completed a Certificate  
Course in Disaster Management (Search, Rescue and Survival) conducted by the  
Disaster Management Centre, Department of Geology; University of Jammu in  
collaboration with High Altitude Warfare School (HAWS) from \_\_\_\_\_  
to \_\_\_\_\_



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

**Senior Instructor  
Centre HAWS, Gulmarg** \_\_\_\_\_

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

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