

# Sat Jinda Kalyana (PG)College, Kalanaur

(NAAC ACCREDITED 'A' GRADE & ISO 9001:2015 CERTIFIED INSTITUTE)

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**AQAR: 2023-2024**



**CRITERION 1**

## **Curricular Aspect**

**1.2.1. Number of Programmes in which Choice Based Credit System (CBCS)/  
elective course system has been implemented**

**Relevant Documents as Approved by Academic  
Council/BOS of the Affiliating University**

*Submitted to*



**National Assessment and Accreditation Council**

## Department of Geography, M. D. University, Rohtak

Course outline/Structure and scheme of examination of M.A. Geography four semesters course with Choice Based Credit System (CBCS) from the Session 2016-17 onwards.

M.A. Geography shall be of two years duration spread over four semesters. The duration of examination for theory and practical papers shall be three and four hours respectively. Practical examination shall be conducted by two external examiners out of the panel recommended by the P.G. Board of Studies in Geography. Marks of the internal assessment shall be awarded as per the laid down norms of the university. Soft Core and Open Elective Papers will be floated according to the administrative and academic convenience of the department.

Sem	Paper Code	Nomenclature	Hours Per Week (L +T +P)	Marks			Examination Hours	Credit (L +T +P)
				Internal	End Semester	Total		
1 <sup>st</sup>	16GEO21C1	Geomorphology	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO21C2	Climatology	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO21C3	Resource Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO21C4	Statistical Methods in Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO21CL1	Practical Topographical Sheets and Its Interpretation	06 per student	-	50	50	04	0+0+3
	16GEO21CL2	Practical- Computer Aided Statistical Diagrams and Graphs	06 per student	-	50	50	04	0+0+3
	Credits	C=22 F=2	Total Credits=22-24					

Sem	Paper Code	Nomenclature	Hours Per Week (L +T +P)	Marks			Exam Hours	Credit (L +T +P)
				Internal	End Semester	Total		
2nd	16GEO22C1	Geography of World Economy	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22C2	Regional Development and Planning	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22C3	Environmental Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22D1	Urban Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22D2	Cultural Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22D3	Geography of India	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22D4	Geography of Rural Settlements	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22D5	Soil Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	16GEO22CL1	Practical -Digital Cartography	06 per student	-	50	50	04	0+0+3
16GEO22CL2	Practical -Morphometric Analysis	06 per student	-	50	50	04	0+0+3	
<b>Foundation Course</b>								
	16GEOF1	Geography in Everyday Life	02(2+0+0)	10	40	50	03	2+0+0
<b>Open Elective Course</b>								
	16GEOO1	Basics of Geo- Informatics	03 (2+1 +0)	20	80	100	03	2+1+0
	16GEOO2	Geography of India: Systematic and Regional	03 (2+1 +0)	20	80	100	03	2+1+0
		C=18 D=04 SO=03	Total Credits=18-25					
<ol style="list-style-type: none"> <li>1. Foundation Course (02 credits) ,either in semester I/II to be chosen from the basket provided by the University.</li> <li>2. Open Elective Course (03 credits) to be chosen from the basket of Open Elective Courses provided by the University.</li> </ol>								

Sem	Paper Code	Nomenclature	Hours Per Week (L +T +P)		Marks			Exam Hours	Credit (L +T +P)	
					Internal	End Semester	Total			
3rd	17GEO23C1	Remote Sensing and GIS	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23C2	Geography of Transport	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23D1	Bio Geography	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23D2	Political Geography	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23D3	Social Geography	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23D4	Hydrology	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23D5	Oceanography	04 (3+1 +0)		20	80	100	03	3+1 +0	
	17GEO23CL1	Practical -Field Work	06 per student		-	50	50	04	0+0+3	
	17GEO23CL2	Practical -GIS	06 per student		-	50	50	04	0+0+3	
	Open Elective Course									
		17GEO23O1	Introduction to Geography	03 (2+1 +0)	20	80	100	03	2+1+0	
		17GEO23O2	Sources of Geographical Data	03 (2+1 +0)	20	80	100	03	2+1+0	
			C=14 D=04 O=03	Total Credits=21-25						
1. Open Elective (03 credits) to be chosen from the basket of Open Electives (OEs) provided by the University.										

Sem	Paper Code	Nomenclature	Hours Per Week (L +T +P)	Marks			Exam Hours	Credit (L +T +P)
				Internal	End Semester	Total		
4 <sup>th</sup>	17GEO24C1	Geographical Thought	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24C2	Research Methodology	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DA1	Water Resource Management	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DA2	Geography of Tourism	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DA3	Rural Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DB1	Population Geography	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DB2	Natural Hazards and Disaster Management	04 (3+1 +0)	20	80	100	03	3+1 +0
	17GEO24DB3	Agricultural Geography	04 (3+1 +0)					
	17GEO24CL1	Practical :Aerial Photographs and Its Interpretation	06 per student	-	50	50	04	0+0+3
	17GEO24CL2	Practical: Satellite Images and Its Interpretation	06 per student	-	50	50	04	0+0+3
	C=14 D=08	Total Credits=22						
Students will have to opt two soft core papers, one each from 17GEO24DA1,DA2,DA3 and 17GEO24DB1,DB2,DB3.								

# **M.A. Geography Semester-I Session 2016-17 Onwards**

## **16GEO21C1 GEOMORPHOLOGY**

Credit: 04 (3+1+0)

End Semester Exam : 80 marks

Internal Assessment : 20 marks

Total : 100 marks Time : 3 hrs.

### **Learning Objectives:**

The objectives of this course are to introduce the concepts in Geomorphology in adequate manner, many facets of surface relief features and to understand various aspects of their growth and evolution on the Earth.

### **Learning Outcomes:**

The course will provide an understanding of the conceptual and dynamic aspects of landform development. Students will also learn the relevance of applied aspects of Geomorphology in various fields.

#### **Unit-I**

Geomorphology - Definition, Nature and scope, History and development of geomorphic ideas : Fundamental concepts - Uniformitarian's, geological structure, process and stage. The Earth's interior - structure and constitution, Recent Views. Plate tectonics- meaning and concept; plates, plate margins and boundaries; plate motion; Tectonic activities along the boundaries and Distribution of plates.

#### **Unit-II**

Endogenetic processes - Faulting, folding and their geomorphic expressions. earthquake concept, causes, classification, intensity and magnitude, Geographical distribution. Vulcanism - concept, mechanism and causes; Volcanoes- classification, volcanic materials; Topography associated with vulcanicity and geographical distribution.

#### **Unit-III**

Exogenetic processes : Weathering and mass wasting - meaning and concept, controlling factors, classification and significance. Dynamics of fluvial, aeolian, glacial and karst processes and resulting landforms.

#### **Unit-IV**

Applied Geomorphology - meaning; Applications of Geomorphology in Regional planning, engineering projects, mineral exploration and hydrology. Regional Geomorphology of Punjab plain, Aravalli Region and Thar desert of India.

### **Note :**

The question paper will have five units. First four units of question paper will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. The unit five shall be compulsory and shall contain eight short answer type questions covering entire. All questions carry equal marks.

### **Recommended Readings:**

1. Bloom, A.L. (1992) **Geomorphology**, Second Edition, Prentice Hall of India, New Delhi.
2. Dayal, P. (1990) **A Text Book of Geomorphology**, Shukla Book Depot, Patna.

**MAHARSHI DAYANAND UNIVERSITY ROHTAK**  
**DEPARTMENT OF COMMERCE**  
**Scheme of Examination under CBCS**  
**w. e. f Session:2016-17**

**M.Com First Semester**

Sr. No.	Paper Code	Nomenclature of Paper	Theory Marks	Int. Ass.	Total Marks	Time	Credits (C+T+P)
1	16MCO21C1	Accounting Standards and Financial Reporting	80	20	100	3 Hours	4+1+0=5 Credits
2	16MCO21C2	Statistical Analysis for Business	80	20	100	3 Hours	4+1+0=5 Credits
3	16MCO21C3	Managerial Economics	80	20	100	3 Hours	4+1+0=5 Credits
4	16MCO21C4	Computer Application in Business	60	40 (Practical)	100	3 Hours	4+0+1=5 Credits
5	16MCO21D5	Student must choose one paper from the followings: (i) Entrepreneurship Development (ii) Business Environment (iii) Principles of Management	80	20	100	3 Hours	4+0+0=4 Credits

**Details of Credits Per Week**

**M.Com First Semester:**

Core Papers: (04 for Teaching +01 for Tutorial) X 4 = 20 Credits

Discipline Specific Elective Paper: (04 for Teaching only) X 1 = 04Credits

**Total = 24Credits**

**Size of Groups : For Tutorial = 20 Students (one group)**

**For Practical = 15 Students (one group)**

**MAHARSHI DAYANAND UNIVERSITY ROHTAK**  
**DEPARTMENT OF COMMERCE**  
**Scheme of Examination under CBCS**  
**w. e. f Session: 2016-17**

**M.Com Second Semester**

Sr. No.	Paper Code	Nomenclature of Paper	Theory Marks	Int. Ass.	Total Marks	Time	Credits (C+T+P)
1	16MCO 22C1	Management Accounting	80	20	100	3 Hours	4+1+0=5 Credits
2	16MCO 22C2	Investment Management	80	20	100	3 Hours	4+1+0=5 Credits
3	16MCO 22C3	Financial Management	80	20	100	3 Hours	4+1+0=5 Credits
4	16MCO 22D4	Student must choose one paper from the followings: (i) International Economics (ii) Strategic Financial Management (iii) Organizational Behaviour	80	20	100	3 Hours	4+0+0=4 Credits
5		<b>Foundation Elective Paper</b> (To be chosen From the list of Foundation Elective Papers provided by the University)				3 Hours	2 Credits
6		<b>Open Elective Paper</b> (To be chosen from the list of Open Elective Papers provided by the university)				3 Hours	3 Credits

**Details of Credits Per Week**

**M.Com Second Semester:**

Core Papers : (04 for Teaching +01for Tutorial) X 3 = 15 Credits

Discipline Specific Elective Papers: (04 for Teaching only) X 1 = 04Credits

Foundation Elective Paper: (02 for Teaching only) X 1 = 02Credits

Open Elective Paper: (03 for Teaching only) X 1 = 03 Credits

**Total = 24 Credits**



**MAHARSHI DAYANAND UNIVERSITY ROHTAK**  
**DEPARTMENT OF COMMERCE**  
**Scheme of Examination under CBCS**  
**w. e. f Session: 2017-18**

**M.Com Third Semester**

<b>Sr. No.</b>	<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Theory Marks</b>	<b>Int. Ass.</b>	<b>Total Marks</b>	<b>Time</b>	<b>Credits (C+T+P)</b>
1	17MCO 23C1	Portfolio Management	80	20	100	3 Hours	4+1+0=5 Credits
2	17MCO 23C2	Corporate Tax	80	20	100	3 Hours	4+1+0=5 Credits
3	17MCO23D3	Student must choose one paper from the followings : (i) Marketing Concepts & Decisions (ii) Project Management (iii) Management of Financial Services	80	20	100	3 Hours	4+0+0=4 Credits
4	17MCO23D4	Student must choose one paper from the followings : (i) International Finance (ii) Service Marketing (iii) Advance Cost Accounting	80	20	100	3 Hours	4+0+0=4 Credits
5		<b>Open Elective Paper</b> (To be chosen from the list of Open Electives Papers provided by the university)				3 Hours	3 Credits

**Details of Credits Per Week**

**M.Com Third Semester:**

Core Papers: (04 for Teaching + 01 for Tutorial) X 2 = 10 Credits

Discipline Specific Elective Paper: (04 for Teaching only) X 2 = 08 Credits

Open Elective Paper: (03 for Teaching only) X 1 = 03 Credit

**Total = 21Credits**

**MAHARSHI DAYANAND UNIVERSITY ROHTAK**

**DEPARTMENT OF COMMERCE  
Scheme of Examination under CBCS**

**w. e. f Session : 2017-18**

**M.Com Fourth Semester**

<b>Sr. No.</b>	<b>Paper Code</b>	<b>Nomenclature of Paper</b>	<b>Theory Marks</b>	<b>Int. Ass.</b>	<b>Total Marks</b>	<b>Time</b>	<b>Credits (C+T+P)</b>
1	17MCO 24C1	Cost Accounting Standards & Reporting	80	20	100	3 Hours	4+1+0=5 Credits
2	17MCO 24C2	Corporate Tax Planning and Management	80	20	100	3 Hours	4+1+0=5 Credits
3	17MCO 24C3	Business Research Methods	80	20	100	3 Hours	4+1+0=5 Credits
4	17MCO24D4	Student must choose one paper from the followings : (i) HumanResourceManagement (ii) Working Capital Management (iii) Strategic Management	80	20	100	3 Hours	4+0+0=4 Credits
5	17MCO24D5	Student must choose one paper from the followings : (i) International Business Environment (ii) Production Management (iii) Advance Accounting	80	20	100	3 Hours	4+0+0=4 Credits
6	17MCO24D6	Student must choose one paper from the followings : (i) Financial Derivatives & Risk Management (ii) International Marketing (iii) Cost Management	80	20	100	3 Hours	4+0+0=4 Credits

**Details of Credits Per Week**

**M.Com Fourth Semester:**

Core Papers: (04 for Teaching +01 for Tutorial) X 3 = 15 Credits

Discipline Specific Elective Papers: (04 for Teaching only) X 3 = 12 Credits

**Total = 27 Credits**

### **Important Points regarding Papers:**

- Core Paper means : Compulsory Papers.
- Discipline Specific Elective Paper means : Optional Papers within the Department.
- Open Elective Paper means : Paper from list of Open Electives Papers provided by the University.
- Foundation Elective Paper means : Paper from list of Foundation Electives Papers provided by the University.

### **Important Points regarding Credits:**

- Classroom Lecture of one Hour = One Credit Per Week
- Tutorial of one Hour = One Credit Per Week
- Practical of two Hours = One Credit Per Week
- Project /Dissertation Work of one Hour = One Credit Per Week



# MAHARSHI DAYANAND UNIVERSITY ROHTAK

(A State University established under Haryana Act No. XXV of 1975)

'A' Grade University Accredited by NAAC

No.:AC-VI/21/\_\_\_\_\_

Dated: \_\_\_\_\_

To

All the Principals/Directors of the Colleges/Institutes  
affiliated to M.D.U., Rohtak.

**Sub: Admission Procedure and Regulations (Admission guidelines) for UG/PG Programs  
for the Session 2021-22.**

Sir/Madam,

I am directed to supply herewith the Admission Procedure and Regulations (Admission guidelines) alongwith eligibility conditions for UG/PG Programs for the session 2021-22 duly approved by the competent authorities. While making admissions to various undergraduate, postgraduate and other professional Programs (except the Programs in which the admissions are made by the State/Central Govt. agencies) you are requested to consult these guidelines and the relevant Ordinances, which are available on the University website i.e. [www.mdurohtak.ac.in](http://www.mdurohtak.ac.in) under heading Home<Academics<Ordinance. The list of various examinations of Universities/Boards recognised by this University, already supplied which needs to be consulted so that no wrong admission is made. The list is also available on University website [www.mdu.ac.in](http://www.mdu.ac.in).

It has been noticed that **various colleges continue enquiring matters regarding admissions from the University without consulting the Admission Procedure and Regulations (Admission guidelines) for UG/PG Programs /Ordinances.** Their requests, if any, may be sent in one lot to the concerned branch/office so that the same may be decided expeditiously.

It will be the entire responsibility of the Principal/Director of the concerned College/Institute to ensure that no wrong admission is made by the College/Institute. It is further made clear that wrong admission(s), if any, made by the College/Institute shall not be accepted/regularized by the University and the expenditure incurred on litigation in such cases by the University shall be borne by the Principal/Director of the College/Institute concerned.

You are, therefore, requested to kindly depute any responsible person to check your e-mail

on almost daily basis. The University will not be responsible for communication gap, if any. At the same time, you are also requested to check University website daily to know about any urgent notification(s) etc. As far as possible, please make your all correspondence with this office through e-mail: [academic.br@mdurohtak.ac.in](mailto:academic.br@mdurohtak.ac.in)

Yours faithfully,

Assistant Registrar (Academic)  
For Registrar

Endst. No.: AC-VI/AB/F-88/21/

Dated:

A copy of the above is forwarded to the following for information and necessary action:

1. Dean College Development Council, M.D.U. Rohtak.
2. Finance Officer, M.D.University, Rohtak.
4. Director, Public Relations Office, M.D.University, Rohtak.
5. Director, University Computer Centre, M.D.University, Rohtak with the request to upload it on the University website.
6. The Assistant Registrar (R&S), M.D.U., Rohtak.
7. The Assistant Registrar (Colleges), M.D.U., Rohtak.
8. P.A. to Vice-Chancellor/Dean Academic Affairs/ Registrar/ Controller of Examinations, M.D.U. Rohtak.
9. Superintendent (Academic)-II, M.D.U. Rohtak.

Assistant Registrar (Academic)

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(Sports Science) Sem-I class, as the case may be, under new scheme of this University subject to his/her qualifying in the subject of English of 10+2 examination in the supplementary examination of the same year or in the next annual exam held in March from the Board concerned. Such a candidate shall have to furnish a proof to the University of his/her having cleared the subject of English before the declaration of result of B.A./B.Com./B.Sc./B.Sc. (Biotechnology)/(Bio-informatics)/(Home Science)/(Human Nutrition & Dietetics)/(Sports Science) Sem-II examination failing which his/her result shall stand automatically cancelled.

- (v) A student who wishes to seek migration to B.A./B.Sc./B.Com./B.Sc. (Home Science) and B.Sc. (Sports Science) 2<sup>nd</sup> year (3<sup>rd</sup> semester)/ 3<sup>rd</sup> year (5<sup>th</sup> semester) under new scheme of this University after passing the examination with atleast 40% marks from other statutory Universities as equivalent thereto by this University may be allowed to do so provided that the subject(s) offered for B.A./B.Sc./B.Com./B.Sc. (Home Science) and B.Sc. (Sports Science) were the same as are available at this University. In case the subject(s)/paper(s) offered for the above Programs (s) in Part-I (semester I and II) and Part-II (semester III and IV) were not the same as are available at this University, the candidate may be given exemption in part II and III as the case may be for the subject(s)/paper(s) already studied/passed by the students in Part I (semester I and II) and Part II (semester III and IV) and the subject(s)/paper(s) which the candidate has not studied/passed in Part I (semester I and II) and Part II (semester III and IV) shall have to be studied/passed as deficient subject(s) alongwith remaining subject(s)/paper(s) of Part II and Part III as the case may be.
- (vi) In case of admission to B.Sc. (Hons.) Computer Science, the candidate should have passed the Mathematics/Computer Science at 10+2 level.

## 5. Bachelor of Vocation (B.Voc) Eligibility:

Admission to the B.Voc. Programme shall be open to candidates who have passed Senior Secondary Examination i.e. 10+2 from Haryana Board of School Education, Bhiwani or an equivalent Examination recognised by the University in any stream.

### **Subject Combination for B.A/B.Sc. Part-I,II and III.**

#### **B.A Part- I, II & III**

<u>Compulsory Subjects</u>		<u>Elective Subjects</u>				
		<b>Group-I</b>	<b>Group-II</b>	<b>Group-III</b>	<b>Group-IV</b>	<b>Group-V</b>
English	Hindi	Def.Studies	Mathematics	Statistics	Geography	Psychology
	Sanskrit	Hindi	Pub. Admn.	Pol. Sc.	Home Sc.	History
	or	Sanskrit	Music (V)	Phy. Edu.	Philosophy	
	Addl.	Urdu	Sociology	Art	Music (I)	
	English	Punjabi		NSS	Marketing	
		Economics				
		Comp.				
		Appl.				

Commerce  
Applied Art  
Journalism &  
Mass  
Communication

### **B.Sc. Part- I, II & III**

#### **Compulsory Subjects**

English  
Hindi/Punjabi/Sanskrit/Urdu/Addl. English

for B.Sc. Part I only  
for B.Sc. Part II

#### **Group I**

Mathematics  
Botany

#### **Group II**

Physics  
Zoology

#### **Group III**

Chemistry  
Computer Science  
Information Tech.  
Electronics  
Statistics  
Geology

#### **Medical Group**

Botany, Zoology & Chemistry/Geology

#### **Non Medical Group**

Mathematics, Physics & anyone from Group III  
Computer Science, Statistics & Mathematics (CSM)

#### **Note:**

- i) Every candidate must offer Hindi either as a compulsory subject or as an elective subject.
- ii) Language offered as compulsory subject shall not be offered as an elective subject.
- iii) A candidate coming from a Non-Hindi speaking area shall if he/she did not offer Hindi in the examination will opt additional English in lieu of Hindi.
- iv) In addition to compulsory subjects, a student will opt one elective subject each from any of the two groups selected out of the above five groups as per the combination allowed by the concerned College.
- v) Candidates appearing for additional subject(s) will also choose not more than one subject from each group.
- vi) A student who wishes to seek migration to 2nd year (Sem - III) after passing the Senior Secondary Certificate Examination (under 10+2 system) or an examination recognised as equivalent thereto and also after having passed the semester I & II examination of any Statutory University recognised by this University as equivalent to Sem - I & II examination of this University under new scheme may be allowed to do so provided he/she has secured minimum required percentage for admission as the case may be, in aggregate of the Senior Secondary Certificate examination or any equivalent examination.

**Compulsory Qualifying Paper: Environmental Studies**

Note:- The students will be required to qualify this paper otherwise the final result will not be declared and degree will not be awarded.

**Compulsory Computer Education at U.G. Level:** It has been decided to introduce Compulsory Computer Education at Under-Graduate level. The college will charge Rs.100/- per candidate per month as Lab. charges from such students. Detailed modalities for implementation of this paper have already been sent.

**Note:** *In case University adopts Choice Based Credit System (CBCS) at UG level, the subject combination will be according to the Choice Based Credit System (CBCS) adopted by the University.*