



# Programme Guide

Centre for Distance and Online Education  
**Jamia Millia Islamia**

**M.A./M.Sc  
Geography**



**2025-26**



### **Message from Dean**

Dear Students,

Welcome to the Master of Arts in Geography program. This course is designed to offer you an in-depth understanding of the complexities and intricacies of our world's landscapes, environments, and societies. Our MA Geography program is structured to provide you with a comprehensive and rigorous curriculum, blending theoretical knowledge with practical application. You will engage with advanced geographic theories, cutting-edge research methodologies, and diverse analytical tools that are essential for addressing contemporary geographical challenges. Geography is a discipline that bridges the natural and social sciences. It offers unique perspectives on global issues such as climate change, urbanization, resource management, gender spatial relationships, and spatial justice. We are committed to fostering a supportive and stimulating academic environment. Our program encourages a critical thinking, interdisciplinary collaboration, and innovative research. CDOE is confident that each of you has the potential to become a thought leader and change-maker in diverse career paths in academia, government, private sector, and non-governmental organizations.

Wishing you all the best for future endeavors

**Prof. M. Moshahid Alam Rizvi**  
**Dean, CDOE**

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**PROGRAMME COORDINATOR**

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**1.1 Introduction of the Program**

1.2 M.A. Geography is a highly coveted post-graduate programme that focuses on the human and physical characteristics of geography. Master in geography involves rigorous coursework with an emphasis on research and fieldwork. It covers the subject matter in a comprehensive and scientific manner by studying subjects like physical environment, ecology, disaster management, climatology, natural resource management, planning etc. Students with a degree in Geography can find employment in many international job sectors. They can fulfill the role of an Agricultural Specialist, Geographer, Cartographer, Demographer, Forest Manager, Professor, Administration, and Teacher.

**1.3 Duration of the Programme**

Minimum duration of the Programme:	4 (Four) Semesters / 02 (Two) Years
Maximum duration of the Programme:	8 (Eight) Semesters / 04(Four) Years

**1.4 Medium of Instruction:**

English / Hindi / Urdu \*  
(The SLM will be provided in English and Assignments and Question Papers will be provided only in English.)

**1.5 Programme Fee:**

Rs, 12,000/- (Twelve Thousand) per year for Two semester

## 1.6 Brief Course Structure

### Course Structure M.A. Geography

#### SEMESTER - I

Paper	Course Code	Course Title	Credit	Type
Paper-I	MAG-101	Geomorphology	4	CC
Paper-II	MAG-102	Climatology and Oceanography	4	CC
Paper-III	MAG-103	Human Geography	4	CC
Paper-IV	MAG-104	Geography of India	4	CC
Paper-V	MAG-105	Resource Geography	4	CC
Practical I	MAG-106	Cartographic Methods and Techniques Viva Voce*	4	CC
<b>Total</b>			<b>24</b>	

Note: Viva Voce\* A separate date will be notified by the concerned subject coordinator

#### SEMESTER – II

Paper	Course Code	Course Title	Credit	Type
Paper-VI	MAG-201	Geographical Thought	4	CC
Paper-VII	MAG -202	Environmental Geography	4	CC
Paper-VIII	MAG -203	Disaster Management	4	CC
Paper IX	MAG-204	Economic Geography	4	CC
Practical-II	MAG-205	Remote Sensing and Image Interpretation Viva voce*	4	CC
<b>Total</b>			<b>20</b>	

Note: Viva Voce\* A separate date will be notified by the concerned subject coordinator

#### SEMESTER – III

Paper	Course Code	Course Title	Credit	Type
Paper-X	MAG-301	Urban Geography	4	CC
Paper- XI	MAG-302	Watershed Management	4	CC
Paper- XII	MAG-303	Political Geography	4	CC
Paper-XIII	MAG-304	Population Geography	4	CC
Practical-III	MAG-305	Geographical Information Systems and Geographical Positioning Systems Viva voce*	4	CC

Practical-IV	MAG-306	Digital Image Processing Viva voce*	4	CC
	<b>Total</b>		<b>24</b>	

Note: Viva Voce\* A separate date will be notified by the concerned subject coordinator

#### **SEMESTER – IV**

<b>Paper</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Type</b>
Paper-XIV	MAG-401	Regional Development and Planning	4	CC
Paper-XV	MAG-402	Geography of Health and Well-Being	4	CC
Paper-XVI	MAG-403	Gender Geography	4	CC
Project-1	MAG-404	Project Viva voce*	8	CC
	<b>Total</b>		<b>20</b>	

Note: Viva Voce\* A separate date will be notified by the concerned subject coordinator.

#### **GRAND TOTAL**

<b>Semester</b>	<b>Core Course (CC)</b>			<b>Choice Based (CB)</b>	<b>Skill Enhancement (SEC)</b>	<b>Ability Enhancement (AECC)</b>	<b>Total Papers</b>	<b>Credits</b>
	<b>Theory</b>	<b>Practical / Project</b>	<b>Total</b>					
<b>I</b>	05	01	06	0	-	-	06	24
<b>II</b>	04	01	05	0	0	-	05	20
<b>III</b>	04	02	06	0	-	0	06	24
<b>IV</b>	03	01 (Project)	04	0	-	-	04	20
<b>Total Papers</b>	16	04+01	21	0	0	0	19	
<b>Total Credits</b>	64	16+8=24	88	0	0	0		88

#### **Detailed Course Structure**

The syllabus for M.A. Geography or Master in Geography is designed to develop the skills and research acumen of post-graduate students. It focuses on the study of the socio-economic and physical environment, demography, landscape, population, urban settlement, regional planning and quantitative methodology. The syllabus may differ based on the university yet there are some common subjects-

**M.A. Geography**  
**Semester – I**  
**Credits: 4 (CC)**  
**Paper -I (MAG - 101)**

**GEOMORPHOLOGY**

**BLOCK-I CONCEPTS IN GEOMORPHOLOGY**

UNIT - I: Fundamental concepts in geomorphology: Concept of time and space  
UNIT 2: Concept of dynamic equilibrium; Concept of morphogenetic regions  
UNIT 3: Models in geomorphology  
UNIT 4: Approaches and methods of geomorphologic investigations

**BLOCK - II EVOLUTION OF LANDFORMS**

UNIT 1: Geomorphic processes  
UNIT 2: Dynamics of fluvial, glacial, aeolian, marine and karst processes and resulting landforms  
UNIT 3: Complexities in geomorphologic processes

**BLOCK - III GEOMORPHIC PROCESSES AND LANDFORMS**

UNIT 1: Drainage basin and morphometric analysis; Denudation chronology  
UNIT 2: Soil erosion and its measurement; Slope form, processes and evolution  
UNIT 3: Measurement of surface runoff;  
UNIT 4: Interruption in the evolution of landforms: Tectonic, climatic and base level changes

**BLOCK- IV APPLIED GEOMORPHOLOGY**

UNIT 1: Applied geomorphology: Principles and Purpose; Geomorphology and soils  
UNIT 2: Geomorphology and Land; Water Resource Management  
UNIT 3: Urban Geomorphology  
UNIT 4: Geomorphology and watershed management; geomorphic hazards and mitigation



### **Suggested Readings:**

1. Dayal, P. 2015. Text-Book of Geomorphology, Shukla Book Depot, Patna.
2. Dury, G.H. (Ed.) 1966. Essays in Geomorphology. Heinmann Educational Books Ltd., London.
3. Fairbridge, R.W. (Ed.) 1968. Encyclopedia of Geomorphology. Rein-hold Book Corp., New York.
4. Gabler R.E, Peterson. J.F., Trapasso, L.M., Dorothy, S. 2009. Physical Geography, Brooks/Cole, Cengage Learning, Belmont, USA.
5. Garner, H.F. 1974. The Origin of Landscape: A Synthesis of Geomorphology. Oxford Univ. Press, New York.
6. Gautam, A. 2015. Geomorphology. Sharda Pustak Bhawan. Allahabad.
7. Goudie, A. (Ed.) 2003. Encyclopaedia of Geomorphology, Routledge, London.
8. Goudie, A. (Ed.) 2005. Geomorphological Techniques (2<sup>nd</sup> Edition), Routledge, London.
9. Harvey, 2012. A. Introducing Geomorphology: A Guide to Landforms and Processes.
10. Hugget, R.J. 2011. Fundamentals of Geomorphology. Routledge Pub.
11. Jhon, R. Hails. 1977. Applied Geomorphology, Elsevier.
12. Kale, V. and Gupta, A., 2004. Elements of Geomorphology. Oxford University press, Calcutta.
13. Kenneth J. Gregory, Andrew S Goudie, 2011. The SAGE Handbook of Geomorphology, SAGE Publications Ltd., London.
14. Mateo Gutierrez, 2012. Geomorphology, CRC Press, Boca Raton (FL), USA.
15. Paul R. Bierman, David R. Montgomery, 2014. Key Concepts in Geomorphology, W. H. Freeman and Company Publishers, New York.
16. Savindra, S. 2017. Geomorphology. Pravalika Publications, Allahabad.
17. Strahaler, A.H. 2013. Introducing Physical Geography. Wiley Pub.
18. Thornbury, W.D., 1991. Principles of Geomorphology, Wiley Eastern Ltd., New Delhi.
19. Way,D. 1978. Terrain Analysis: A Guide to Site Selection using Aerial Photo Interpretation. Dowden, Hutchinson & Ross, Stroudsburg.
20. Worcester, P.C. 1969. Text Book of Geomorphology. East West Press, New Delhi.

**M.A. Geography**  
**Semester - I**  
**Credits: 4 (CC)**  
**Paper -II (MAG 102)**

**CLIMATOLOGY AND OCEANOGRAPHY**

**BLOCK-I GENERAL CLIMATOLOGY**

UNIT 1: Atmospheric thermodynamics; Adiabatic Process; Hydrostatic equilibrium  
UNIT 2: Heat budget and energy balance  
UNIT 3: Classification of climate

**BLOCK-II APPLIED CLIMATOLOGY**

UNIT 1: Genesis of Indian Monsoon  
UNIT 2: Classification, sources, origin and modifications of air masses  
UNIT 3: Micro climates and human comfort zone, Urban Microclimate  
UNIT 4: Global Climate Change: Climatic records; Evidences of past climatic changes; Climate models

**BLOCK-III GENERAL OCEANOGRAPHY**

UNIT 1: Currents and Thermohaline Circulation  
UNIT 2: Ocean Heat Budget; Upper Ocean Structure and Processes; Ocean Floor: Structure and Composition  
UNIT 3: Deep Ocean Circulation  
UNIT 4: Tides-generating forces, types, theories and effects; coral reefs

**BLOCK-IV APPLIED OCEANOGRAPHY**

UNIT 1: Marine resources: Development and Conservation  
UNIT 2: Marine pollution management  
UNIT 3: Global warming and transgression of seas; Coastal area management  
UNIT 4: Remote sensing in oceanographic studies; Laws of the sea

### **Suggested Readings:**

1. Barry, R.G. and Chorley R.J. 2009. Atmosphere Weather and climate (9<sup>th</sup> edition), Routledge.
2. Barret, E.C. 1974. Climatology from Satellites. Methuen, London.
3. Critchfield, J.H. 1983. General Climatology (4<sup>th</sup> edition). Phi Learning Pub.
4. Davis, R.J.A. 1986. Oceanography-An Introduction of the Marine Environment. Win C. Brown, Iowa.
5. Griffiths, J.F. 1976. Applied climatology. Oxford press, New York.
6. Hobbs, J.E. 1996. Applied Climatology. Oxford University Press.
7. Huntington, E. and S.S. Visser. 1922. Climatic Changes. Yale University Press.
8. Hussain, T. and Tahir, M. 2012. Climatology. Jawahar, New Delhi.
9. Hussain, T. and Tahir, M. 2012. Oceanography. Jawahar, New Delhi.
10. Kings, C.A.M. 1969. An Introduction to Oceanography. McGraw, New York.
11. Lamb, H.H. 1991. Climate: Present, Past and Future. Vol.1&2. Routledge.
12. Trewartha, G.T. and Horn, L.A., 1980 (5th edition). Introduction to Climate, International Studies.
13. Trujillo, A.P., Thurnman, H.V. 2016. Essentials of Oceanography, Prentice Hall.
14. Trujillo, A.P., Thurnman, H.V. 2010. (10th Edition). Introductory Oceanography. Prentice Hall.
15. Weyl, P.K. 1970. Oceanography-An Introduction of the Marine Environment, John Wiley and Sons, London.
16. Russell, D. T. and Allen P., 1997, Applied Climatology: Principles and Practice, Routledge, London.
17. Rohli, R. V., Vega, A. J., 2018. Climatology, Jones & Bartlett Learning, Burlington, MA, USA.
18. Dennis L. Hartmann, 2016. Global Physical Climatology, Elsevier Science, Amsterdam, Netherlands.
19. Edward Aguado, James E. Burt, 2015, Understanding Weather and Climate, Pearson,
20. C. Donald Ahrens, Perry Samson, 2011. Extreme Weather and Climate, Brooks/Cole, Cengage Learning, Belmont, CA, USA.

**M.A. Geography**  
**Semester - I**  
**Credits: 4 (CC)**  
**Paper - III (MAG - 103)**

**HUMAN GEOGRAPHY**

**BLOCK- I DEVELOPMENT AND CONCEPTS**

- UNIT 1: Development of human geography as a discipline
- UNIT 2: Contemporary relevance of human geography as discipline
- UNIT 3: Approaches to human geography
- UNIT 4: Cultural or Social Determinism; Post-Modern Human Geography

**BLOCK- II POPULATION AND DEVELOPMENT**

- UNIT 1: Human races: classification and distribution, Population growth
- UNIT 2: Global demographic transition; Recent international migration: causes and consequences
- UNIT 3: Population Policies
- UNIT 4: Human Development: measurement and global disparity

**BLOCK- III CULTURAL LANDSCAPE**

- UNIT 1: Religion and languages
- UNIT 2: Major cultural realms; Trends and patterns of world urbanization
- UNIT 3: Multiculturalism: Contemporary issues of nationalism and identity

**BLOCK- IV RESOURCES AND ECONOMY**

- UNIT 1: Population-Resource Relationship
- UNIT 2: Global agricultural production and food security
- UNIT 3: World energy resources: Contemporary issues and challenges
- UNIT 4: Global economic development and international relations

### **Suggested Readings:**

1. Rubenstein, James M. 2011. The cultural landscape : an introduction to human geography (10<sup>th</sup> Edition), Prentice Hall, Upper Saddle River, NJ, USA.
2. Peter Daniels, Michael Bradshaw, Denis Sha, James Sidaway, Tim Hall, 2012. An introduction to human geography, Pearson (5<sup>th</sup> Edition), Harlow, UK.
3. Paul L. Knox, Sallie A. Marston, 2015. Human Geography: Places and Regions in Global Context, Global Edition, Pearson International,
4. Soja E, 1989 Postmodern Geographies, Verso, London.
5. Postmodern Human Geography: A Preliminary Assessment (Postmoderne Geographie des Menschen. Eine vorläufige Bilanz) Author(s): Michael Dear Source: Erdkunde, Bd. 48, H. 1 (Mar., 1994), pp. 2-13 Published by: Erdkunde.

**M.A. Geography**  
**Semester - I**  
**Credits: 4 (CC)**  
**Paper -IV (MAG - 104)**

**GEOGRAPHY OF INDIA**

**BLOCK-I PHYSICAL AND SOCIAL ASPECTS**

UNIT 1: Physiography; Drainage Systems; Climate Characteristics

UNIT 2: Natural Vegetation and Soils

UNIT 3: Unity in Diversity; Cultural Realm

**BLOCK-II POPULATION**

UNIT 1: Human Development Index and its component

UNIT 2: Growth and distributional population; NEP 2020

UNIT 3: Population Characteristics and Composition (literacy , sex ratio, age, occupational structure etc.)

UNIT 4: Aging Population, Unemployment and problem of demographic dividend

**BLOCK -III RESOURCE AND PLANNING**

UNIT 1: Agro-Climatic Regions; Agricultural Growth and Development

UNIT 2: The Political Economy of Green Revolution in India; Food Security in India; Globalization and Indian Agriculture-Policies and Programmes

UNIT 3: Industrial Development: Industrial Policy; Special Economic Zones; Energy Crisis

UNIT 4: Multi-level Planning, Community participation & governance and planning contemporary issues and Economic Reforms -Multinationals and liberalization

**BLOCK -IV TRADE AND ECONOMY**

UNIT 1: Regional Disparities in Economic Development

UNIT 2: India's Foreign Trade: WTO and India's Trade Policy

UNIT 3: Globalization and Free Market Economy; Indian Diaspora and Economic Development

UNIT 4: Digital Economy and IoTs (Internet of Things) in India

### **Suggested Readings:**

1. Deshpande C.D. 1992. Indian-A Regional Interpretation. Northern Book Centre, New Delhi.
2. Govt. of India: India-Reference Annual, 2018 Pub. Div., New Delhi.
3. Govt. of India: National Atlas of India. NATMO Publication, Calcutta.
4. Govt. of India: The Gazetteer of India. Vol. I & III Publication Division.
5. Mitra, A. 1967. Levels of Regional Development of India. Census of India, Vol. I, Part I- A (i) and (ii), New Delhi.
6. Moinuddin, S. (2017) The Political Twittersphere in India, Springer, Switzerland.
7. Shafi, M. 2000. Geography of South Asia. McMillan & Co., Calcutta.
8. Singh, R.L. 1971 (ed). India A Regional Geography. National Geographical Society, Varanasi. Spate, O.H.K. and Learmonth A.T.A. 1967. India and Pakistan – Land, People and Economy Methuen & Co., London.
9. Hussain M (2017): Geography of India, 7<sup>th</sup> Edition, McGraw Hill Education; New Delhi.
10. Singh G (2010): A Geography of India, Atma Ram and Sons; ninth edition (2010).
11. Ministry of Finance, (GOI) Economic survey of India (various Issues), Oxford University Press, New Delhi.
12. Census of India (Various Issues): Office of the Registrar General and Census Commissioner India.

**M.A. Geography**  
**Semester - I**  
**Credits: 4 (CC)**  
**Paper-V (MAG - 105)**

**RESOURCE GEOGRAPHY**

**BLOCK -I INTRODUCTION OF RESOURCES**

- UNIT 1: Meaning and Scope
- UNIT 2: Nature and consequences of resources and environment
- UNIT 3: Resources, environment and technology interface
- UNIT 4: Classification of resources

**BLOCK -II DISTRIBUTION AND UTILIZATION OF NATURAL**

- UNIT 1: Distribution and Utilization of Resources
- UNIT 2: Economic and Environmental significance and conservation of water, iron ore, coal, petroleum, forest and fisheries
- UNIT 3: Production and distribution of wheat, rice and tea

**BLOCK -III ENVIRONMENT**

- UNIT 1: Exploitation of natural resources
- UNIT 2: Environmental hazards, floods, drought
- UNIT 3: Problem of land degradation and desertification
- UNIT 4: Conservation and management of resources

**BLOCK -IV EMERGING ENVIRONMENTAL ISSUES**

- UNIT 1: Population explosion and Food security
- UNIT 2: Deforestation and Global warming
- UNIT 3: Conservation of Bio-diversity and Sustainable development



### **Suggested Readings:**

1. Berkes, F. (ed.), 1989. Common Property Resources: Ecology and Community Based Sustainable Development, Belhaven Press London.
2. Mather, A.S. and Chapman, K. 1995. Environmental Resources, Longman, Harlow, England.
3. McClay, K.R. 1995. Resource Management Information System: Process & Practice, Taylor Francis, London.
4. Mitchell B. 1988. Geography and Resources Analysis, 2<sup>nd</sup> edition, Longman, London.
5. Mitchell, B. 1997. Resource and Environmental Management, Longman, Harlow, England.
6. Newson, M.D. 1991. Land, Water and Development: River Basin Systems and Management, Routledge, London.
7. Owen, S. and Owens, P.L. 1991. Environment, Resources and Conservation, Cambridge University Press, New York.
8. Pandey, B. W. (ed.) 2000. Natural Resource Management, Mittal Publication, New Delhi.
9. Peat, W.N. and Constant, J. A. 1972. Zimmermann's World Resources and Industries. Harper and Row Publishers, London.
10. Rees, J. 1990. Natural Resources: Allocation, Economics and Policy, Routledge, London.
11. Singh, Jagdish, 2006. Sansadhan Bhoogol, Radha Publications, New Delhi (Hindi).

**M.A. Geography**  
**Semester - I**  
**Credits: 4 (CC)**  
**Practical - I (MAG - 106)**

**CARTOGRAPHIC METHODS AND TECHNIQUES**

**BLOCK -I INTRODUCTION TO CARTOGRAPHY**

UNIT 1: Introduction to Cartography; Basic concept of cartography; Types and functions: Qualitative, Quantitative, General purpose  
UNIT 2: Thematic and Special purpose; Map Scale; Survey of India map series, new map policy  
UNIT 3: Digital and Analytical cartography

**BLOCK -II BASICS OF GEODESY**

UNIT 1: Shape and size of the earth: Geoid, Datum, Ellipsoid  
UNIT 2: Definition and basic concepts; Gravity field of the earth  
UNIT 3: Vertical Datum: Plumb line and deflection of vertical; Geodetic coordinate; WGS-84

**BLOCK -III COORDINATE SYSTEM AND MAP PROJECTION**

UNIT 1: Coordinate system: Geographical and plane coordinate  
UNIT 2: Indian grid system, UTM grid, BNG system: Map projection: concepts and function  
UNIT 3: Projection types and their properties: Conical, Cylindrical and Zenithal; Mercator, UTM, Polyconic, Lamberts orthomorphic, Choosing map

**BLOCK-IV CARTOGRAPHIC GENERALIZATION  
AND SYMBOLIZATION AND MAP DESIGN**

UNIT 1: Generalization: Simplification, Classification and Smoothing of Data  
UNIT 2: Controls of generalization; Symbolization: Symbols system; Symbol creation: Graphical pictorial, qualitative and quantitative  
UNIT 3: International sign system; controls of symbols.  
UNIT 4: Elements and controls of map design; Elements of Typography

**Suggested Reading:**

1. Dickinson. G.C. 1968. Statistical Mapping and Presentation of Statistics. Arnold, London.
2. Lawrence. G.R.P. 1971. Cartographic Methods. Methuen, London.
3. Mailing, D.H. (1973): Coordinate Systems and Map Projections, George Phillip and Sons, London.
4. Monkhouse. F.J and Wilkinson. H.R. 1972. Maps and Diagrams. Methuen, London.
5. Misra. R.P.1969. Fundamentals of Cartography. Prasaranga. University of Mysore, Mysore.
6. Raisz. E. 1962. Principles of Cartography. McGraw Hill, New York.
7. Robinson. A.H. 1978. Elements of Cartography. John Wiley, New York.
8. Mailing, D. H. (1973). Coordinate Systems and Map Projections, George Phillip and Sons, London.

**M.A. Geography**  
**Semester - II**  
**Credits: 4 (CC)**  
**Paper-VI (MAG - 201)**

**GEOGRAPHICAL THOUGHT**

**BLOCK-I EVOLUTION OF GEOGRAPHY AS DISCIPLINE**

- UNIT 1: Place of geography in the classification of knowledge, Changing nature and scope of geography  
UNIT 2: Fundamentals concepts of geography; Approaches to Geography; Dualism and dichotomy in Geography  
UNIT 3: Contemporary relevance of geography in India

**BLOCK-II DEVELOPMENT IN ANCIENT AND MEDIEVAL TIMES**

- UNIT 1: Contribution of Greek, Roman and Arab and Indian Geographers  
UNIT 2: Broadening horizons: Impact of voyages and discoveries  
UNIT 3: Renaissance and its impact on Geographical Thought  
UNIT 4: Foundation of Scientific Geography: contributions of Varenus and Kant

**BLOCK-III FOUNDATION OF MODERN GEOGRAPHY**

- UNIT 1: Founders of modern Geography: Contribution of Humboldt and Ritter  
UNIT 2: Darwin's impact on Geography during the latter half of the nineteenth century  
UNIT 3: School of thoughts in Geography- German, French, British, American, India and Russia  
UNIT 4: Schaefer-Hartshorne debate, Exceptionalism

**BLOCK-IV MODERN CONCEPTS AND RECENT TRENDS**

- UNIT 1: Empiricism, Positivism, and Quantitative revolution, Humanistic geography  
UNIT 2: Behavioralism in Geography; Radical geography  
UNIT 3: Applied Geography; Modernism and Post modernism  
UNIT 4: Marxism, Dialectical Materialism, Pragmatism, Idealism, Phenomenology and Realism

### **Suggested Readings:**

1. Dickinson. 1969. The Maker's of Modern Geography. Routledge and Kegan Paul, London.
2. Hartshorne. R. 1939. The Nature of Geography. Association of American Geographers, Lancaster, Pennsylvania.
3. Hartshorne. 1959. Perspective on the Nature of Geography. Rand McNally and Company, Chicago.
4. Harvey, D. 1991. The Condition of Post Modernity: An Enquiry into the Origins of Cultural Change. Wiley-Blackwell, Oxford.
5. Husain, M. 2002. Evolution of Geographic Thought (also in Hindi). Rawat Publications, Jaipur.
6. Singh, J. 1988. Bhaugolik Chenta ka karam vikas. Gyanodaya. Gorakhpur.
7. Peet, R. 1998. Modern Geographical Thought. Blackwell, Oxford.
8. Adhikari, S. 2015. Fundamentals of Geographical Thought. Orient Black swan. Hyderabad, India
9. Dikshit, R.D. Geographical Thought. 1997. PHI Learning Pvt. Ltd., New Delhi.
10. Martin G.J. 2005. All Possible Worlds. OUP, USA.
11. Cresswell, T. 2012. Geographical Thought: A Critical Introduction. Wiley Pub.
12. Lalita Rana. 2008. Geographical Thought: A Systematic Record Of Evolution. Concept Publishing Company.
13. Arild Holt-Jensen. 2009. (2nd edition). Geography: History and Concepts. Sage Pub.

**M.A. Geography**  
**Semester - II**  
**Credits: 4 (CC)**  
**Paper - VII (MAG - 202)**

**ENVIRONMENTAL GEOGRAPHY**

**BLOCK- I CONCEPTUAL FRAMEWORK**

UNIT 1: Environment management: Concept and Techniques

UNIT 2: Environment as life- support system

UNIT 3: Human impact on land, climate, natural vegetation and non-renewable natural resources

UNIT 4: Environmentalism

**BLOCK- II ENVIRONMENTAL ISSUES**

UNIT 1: Environmental issues: Analysis and Prediction

UNIT 2: Environmental degradation; Climate Change; Loss of Habitat and Biodiversity

UNIT 3: Air, Land and Water Pollution

UNIT 4: Human Health and Disease

**BLOCK- III PLANNING AND STRATEGIES**

UNIT 1: Methods of Environmental Planning: survey, evaluation, preservation and conservation of resources

UNIT 2: Environmental impact Assessment; Cost benefits Analysis; Environmental Inventorisation and Audit

UNIT 3: Integrated management, and community participation in management

**BLOCK- IV ENVIRONMENTAL MANAGEMENT**

UNIT 1: Management of air and water resources

UNIT 2: Management of soil and forest resources

UNIT 3: Management of biodiversity; Management of habitats

UNIT 4: Population management; Management of disaster, and adaptation to climate change

**Suggested Readings:**

1. Adams, W.M.1995: Green development: Environmental sustainability in the Third World, London: Routledge.
2. Alexander, D. 1993: Natural Disasters, New Delhi: Research Press.
3. Allaby, M. 1996: Basics of Environmental science, London: Routledge.  
Baarrshes, W.H. 1996: Eco-fiction: Understanding the Environmental Debate, London:Routledge.
4. Brayant, E.A.1991: Natural Hazards, Cambridge: Cambridge University press.  
Canter, L. W.!996: Environmental Impact Assessment, 2nd edition, New York: McGrawhill.
5. Chapman, D. 1994: Natural Hazards, Melbourne: Oxford University Press.
6. Chapman J.L. and Reiss, M.J. 1993: Ecology: Principles and applications, Cambridge:Cambridge University Press.
7. Colls, J.1997: Air Pollution: An Introduction, London: Chapman and Hall.

**M.A. Geography**  
**Semester - II**  
**Credits: 4 (CC)**  
**Paper - VIII (MAG - 203)**

**DISASTER MANAGEMENT**

**BLOCK - I CONCEPT OF DISASTER**

UNIT 1: Hazard and Disaster: Concept and Classifications  
UNIT 2: Hazard Analysis  
UNIT 3: Disasters Risk analysis  
UNIT 4: Risk Analysis

**BLOCK- II NATURAL DISASTERS**

UNIT 1: Earthquakes: cause, characteristics, effects, potential sites in India (with suitable Indian Illustration)  
UNIT 2: Tsunamis: mechanism, potential areas, effects (with suitable Indian Illustration)  
UNIT 3: Landslides (susceptibility assessment); Drought (Types, mitigation measures); Floods (associated landscapes and hazards and mitigation measures)

**BLOCK- III MAN MADE DISASTERS**

UNIT 1: Classification of manmade disasters  
UNIT 2: Manmade disasters: War and Conflict  
UNIT 3: Terrorism and Industrial Disasters  
UNIT 4: Hazardous Waste and Radiation

**BLOCK- IV MANAGEMENT**

UNIT 1: Approaches to disaster management  
UNIT 2: Disaster management cycle; Crisis and Risk management  
UNIT 3: National Disaster Policy of India, NDMA, NDRF



### **Suggested Readings:**

1. G. F. White (Ed). 1974. Natural Hazards – Local, National, Global. Oxford University Press.
2. V.T. Chow. 1964. Handbook of Applied Hydrology. McGraw-Hill.
3. N. Strahler and A. H. Strahler. 1973. Environmental Geoscience - Interaction Between Natural Systems and Man. Santa Barbara, California: Hamilton Publishing.
4. P. Reining. 1978. Handbook of Desertification Indicators. Washington D.C.: American Association for the Advancement of Science.
5. K. S. Vadiya. 1987. Environmental Geology. Tata McGraw-Hill.
6. Coppola DP (2011): Introduction to International Disaster Management. Elsevier.
7. Alexander, D. (1993): Natural Disasters, ULC Press Ltd, London
8. Collins, L.R. and Scheind, T.D. (2000): Disaster Management and Preparedness, Taylor and Francis
9. Edwards, B. (2005): Natural Hazards, Cambridge University Press, UK
10. NDMA (2009): National Policy on Disaster Management, NDMA, New Delhi
11. Sharma, R.K. & Sharma, G. (eds.) (2005): Natural Disaster, APH Publishing Corporation, New Delhi
12. Smith, K. (2011): Natural Hazards, Routledge, London

**M.A. Geography**  
**Semester - II**  
**Credits: 4 (CC)**  
**Paper- IX (MAG - 204)**

**ECONOMIC GEOGRAPHY**

**BLOCK- I INTRODUCTION TO ECONOMIC GEOGRAPHY**

- UNIT 1: Definition, Subject Matter and Scope of Economic Geography  
UNIT 2: Approaches to the Study of Economic Geography  
UNIT 3: Classification of Economic Activities: Primary, Secondary, Tertiary and Quaternary

**BLOCK- II PRIMARY ACTIVITIES**

- UNIT 1: Geographical, Social and Cultural Factors in Determining Primary activities  
UNIT 2: Subsistence Agriculture; Mixed Farming and Commercial Food grain Agriculture  
UNIT 3: Commercial Plantation; Horticulture  
UNIT 4: Whittlesey's Classification of Agriculture Systems; Von Thunen's Model of Agriculture Location.

**BLOCK -III SECONDARY ACTIVITIES**

- UNIT 1: Factors of Industrial Location; Distribution and Growth of Cotton Textile and Iron Ore Industry in India  
UNIT 2: Weber's Industrial Location Theory; Concept of Manufacturing Regions  
UNIT 3: Special Economic Zones; Manufacturing Transformation in the Modern Time

**BLOCK-IV TERTIARY ACTIVITIES**

- UNIT 1: Transportation: Concept, Importance and Types  
UNIT 2: Services: Financial, Educational and Health  
UNIT 3: Trade: International Trade and Globalization, Changing form of International Trade  
UNIT 4: Regional Trade Organizations: SAARC, OPEC

### **Suggested Readings:**

1. T. A. Hartshorn and J. W. Alexander: Economic Geography, Latest edition. Prentice Hall, PHI Learning New Delhi.
2. P. K. Roy: Economic Geography - A Study of Resources. Latest Edition, New Central Book Agency
3. W. P. Anderson: Economic Geography, Latest Edition. Routledge
4. R. Knowles and J. Wareing: Economic and Social Geography Made Simple, Latest Edition. Rupa Publications
5. B. J. L. Berry, E. C. Conklin and M. D. Ray: The Geography of Economic System, Latest edition. Prentice Hall
6. J. L. Guha and P.R. Chatterjee: A New Approach to Economic Geography – A Study of Resources, Latest Edition. World Press, Kolkata
7. G. Alexanderson: Geography of Manufacturing, Latest Edition. Prentice Hall, New Delhi
8. Hartshorn, T.A. and Alexander, J.W. 1988: Economic Geography, Prentice Hall India, New Delhi.
9. Jones, C.F. and Darkenwald, G.G. 1954, Economic Geography, Macmillan, New York.
10. Leong. G.C. and Morgan, G.C. 1975: Human and Economic Geography, Oxford University Press, Hong Kong.

**M.A. Geography**  
**Semester - II**  
**Credits: 4 (CC)**  
**Practical - II (MAG - 205)**

**REMOTE SENSING AND IMAGE INTERPRETATION**

**BLOCK-I AERIAL PHOTOGRAPHY**

- UNIT 1: Types of aerial photographs; border information of aerial photographs; study of black & white, black & white IR and colour IR photographs
- UNIT 2: Determination of height using single vertical aerial photographs; determination photo scale; preparation of photo index; numerical problem on aerial photographs
- UNIT 3: Determination of number of strips and no. of photographs; preparation of base map from aerial photographs
- UNIT 4: Identification of features/objects on different band aerial photographs

**BLOCK-II PHOTOGRAMMETRY**

- UNIT 1: Use of pocket stereoscope & mirror stereoscope
- UNIT 2: Orientation of stereo model under mirror stereoscope
- UNIT 3: Use of stereo-grams: aeolian, fluvial and coastal: use of parallax bar and determination of heights and slope

**BLOCK-III INTERPRETATIONS OF AERIAL PHOTOGRAPHS**

- UNIT 1: Preparation of Image Interpretation Keys
- UNIT 2: Use of auxiliary information for object identification
- UNIT 3: Identification of objects on stereo-pairs using elements of image interpretation
- UNIT 4: Preparation of photo mosaic; Preparation of land use land cover maps; Different scale and different time

**BLOCK-IV INTERPRETATION OF REMOTE SENSING DATA**

- UNIT 1: Study of PAN and FCC satellite imagery
- UNIT 2: Study of thermal satellite data and interpretation of different objects
- UNIT 3: Study of RADAR & SAR (microwave) imagery Interpretation of physical and cultural details from different satellite imageries (IRS, LANDSAT & SPOT)

**Suggested Readings:**

1. American Society of Photogrammetry, Manual of Remote Sensing, 2<sup>nd</sup> ed. Falls Church, Va., 1983.
2. American Society of Photogrammetry, Multilingual Dictionary of Remote Sensing and Photogrammetry, Falls Church, Va., 1984.
3. H M. Wilson, Topographic Surveying, John Wiley and Sons, New York.
4. Wolf, P. R. 1983. Elements of Photogrammetry, 2nd ed, McGraw-Hill, New York.
5. Rampal K. K. 1996. Handbook of Aerial photography and Interpretation, Concept publishing company. Now Delhi

**M.A. Geography**  
**Semester - III**  
**Credits: 4 (CC)**  
**Paper-X (MAG - 301)**

**URBAN GEOGRAPHY**

**BLOCK -I CONCEPTS AND APPROACHES TO THE STUDY  
OF URBAN GEOGRAPHY**

- UNIT 1: Relevance of Urban Geography
- UNIT 2: Different Approaches; Development and Recent Trends in Urban Geography
- UNIT 3: Evolution of towns and urban morphogenesis (theories)

**BLOCK -II CLASSIFICATIONS AND MORPHOLOGY OF TOWNS**

- UNIT 1: Models of Internal Structures of cities
- UNIT 2: Classification of towns-size and functions
- UNIT 3: Hierarchy and Spacing of cities: Christaller's model, Losch's modification
- UNIT 4: Primate City; Megalopolis; Conurbation; Megacities; and Edge Cities

**BLOCK -III URBAN RESTRUCTURING AND PLANNING**

- UNIT 1: Changing urban forms
- UNIT 2: Slums and Squatter Settlements
- UNIT 3: Urban Sustainability

**BLOCK -IV URBAN INDIA**

- UNIT 1: Urbanization in India: Colonial and Post-Independence
- UNIT 2: Government policies and planning (5year Plan, JNNURM, AMRUT and HRIDAY)
- UNIT 3: Master Plan with special reference to Chandigarh, Delhi and Jaipur
- UNIT 4: Smart cities mission

### **Suggested Readings:**

1. Le Gates T.R. and Stout F. (ed.) 2016. The City Reader (6<sup>th</sup> edition), Routledge: London and New York.
2. Andrew, E.G.J, McCann, E and Thomas, M 2015. Urban Geography: A Critical Introduction, Wiley, Blackwell, UK.
3. Bhattacharya, B. 2006. Urban Development in India since Pre-Historic Times, Concept Publishing Company, New Delhi.
4. Bridge, G Watson, S. (eds.) 2010. The Blackwell City Reader (2<sup>nd</sup> Edition), Wiley-Blackwell, UK.
5. Gilbert, A and Gurgler, J (eds.) 1992. Cities, Poverty, and Development: Urbanization the Third World, Oxford University Press, Oxford.
6. Feinstein, S. S and Campbell, S (eds) 2011. Readings in Urban Theory (3<sup>rd</sup> Edition), Wiley-Blackwell, UK.
7. Hall, T. 2002. Urban Geography (2<sup>nd</sup> Edition), Routledge: London and New York.
8. Fyfe, N.R and Kenny, J.T. 2005. The Urban Geography Reader, Routledge: London and New York.
9. Latham, A., McCormick, D., McNamara, K., and McNeil, D. 2009. Key Concepts in Urban Geography, Sage: London, California, New Delhi, Singapore.
10. Knox, P and Pinch, S. 2010. Urban Social Geography (6<sup>th</sup> edition), Pearson: England
11. Brunn, S.D., Hays-Mitchell, M., Ziegler, D.J. 2012. Cities of the World: World Regional Urban Development (5<sup>th</sup> edition), Rowman and Littlefield Publishers: England
12. Davidson, M. Martin, D. 2013. Urban Politics. Critical Approaches, Sage: London, California, New Delhi, Singapore.

**M.A. Geography**  
**Semester - III**  
**Credits: 4 (CC)**  
**Paper-XI (MAG - 302)**

**WATERSHED MANAGEMENT**

**BLOCK-I INTRODUCTION AND BASIC CONCEPTS**

- UNIT 1: Watershed: Concept and Components
- UNIT 2: Watershed Management; Stages and Practices
- UNIT 3: Delineation and Codification of watershed; Benchmark Survey for Watershed Management
- UNIT 4: Watershed Modelling

**BLOCK-II MORPHOMETRIC ANALYSIS**

- UNIT 1: Watershed hydrology and surface runoff
- UNIT 2: Conventional methods: Smith, Wentworth and Robinson
- UNIT 3: Linear parameters of watershed; Aerial parameters of watershed; Relief parameters of watersheds
- UNIT 4: Land use/ land cover Analysis

**BLOCK-III MANAGEMENT OF NATURAL RESOURCES**

- UNIT 1: Watershed prioritization: Soil Erosion Modelling: USLE, RUSLE; Sediment Yield Index;
- UNIT 2: Soil information system; ground water recharge
- UNIT 3: Wetland Management
- UNIT 4: Forest Management

**BLOCK -IV INTEGRATED WATERSHED MANAGEMENT**

- UNIT 1: Integrated watershed management: Concept and Relevance; Participation of local community and stakeholders
- UNIT 2: Water management: Water harvesting; Water pollution and Control
- UNIT 3: Role of IWM in local and regional planning



**Suggested Books:**

1. K. N. Brooks, P. F. Folliott & J. A. Magner: Hydrology and the Management of Watersheds, Fourth Edition. John Wiley & Sons, Inc., Publication.
2. J. V. S. Murty Watershed Management, Second Edition. New Age International (P) Limited.
3. I.W. Heathcote: Integrated Watershed Management: Principles and Practices, Second Edition. John Wiley & Sons, Inc., Publication.
4. T. O. Randhir: Watershed Management: Issues and Approaches, Latest Edition. IWA Publication
5. R. S. Kurothe, G. Kumar & A. K. Vishwakarma: Watershed Management: An Encyclopaedia, Latest Edition. Biotech Books
6. S. Menon & P. A. Pillai: Watershed Management: Concepts and Experiences, Latest Edition. SBS Publishers
7. R. John: Watershed Management, Latest Edition. Alfa Publications.
8. L. Rattan: Integrated Watershed Management in The Global Ecosystem, Latest Edition. CRC PRESS
9. R. Patel: Watershed Management Planning Using Remote Sensing and GIS, Latest Edition. LAP
10. Lambert Academic Publishing
11. IWMP: Department of Land Resources, Ministry of Rural Development, Government of India, New Delhi. ([http://dolr.nic.in/iwmp\\_main.htm](http://dolr.nic.in/iwmp_main.htm))

**M.A. Geography**  
**Semester - III**  
**Credits: 4 (CC)**  
**Paper- XII (MAG - 303)**

**POLITICAL GEOGRAPHY**

**BLOCK -I DEVELOPMENT AND APPROACHES**

UNIT1: Political geography: nature, scope and significance; Recent Development in Political Geography

UNIT 2: Approaches to Study of Political Geography I: Whittlesey's Law-Landscape Approach and Hartshorne's Functional Approach

UNIT 3: Approaches to Study of Political Geography II: Jone's Unified Field Theory, Idea-area Chain and Wallerstein's World-Systems Approach

**BLOCK -II CONCEPTS AND THEORIES**

UNIT 1: Concepts of Power, Aggression, Conflicts and Cooperation

UNIT 2: Heartland Theory of Mackinder

UNIT 3: Spykman's Rimland Theory & Mahan's Sea Power Theory

**BLOCK -III STATE AND GOVERNANCE**

UNIT 1: State, Nation, Nation-state and Nation-building; Physical, Human, and Economic Elements

UNIT 2: Frontiers and Boundaries

UNIT 3: Colonialism; Neo-colonialism; Neoliberalism

**BLOCK- IV GEOPOLITICAL ISSUES**

UNIT 1: Geopolitical Significance of Indian Ocean

UNIT 2: Environmental Politics and Resource Politics

UNIT 3: Political Globalization: Emergence of Multipolar World

### **Suggested Readings:**

1. Colin Flint and, Peter J. Taylor, 2018. Political Geography: World-Economy, Nation- State and Locality, 7th Edition, Routledge, London.
2. Cox, K. R. 2002. Political Geography: Territory, State, and Society, Blackwell Publishers, Oxford, UK
3. Deshpandey, C.D. (1992) India –a Regional Interpretation, Northern Book Centre, New Delhi.
4. Dikshit R.D. (1996) Political Geography; A Contemporary Perspective, Tata McGraw Hill, New Delhi.
5. Fisher, C. A. (1968), Essays in Political Geography, Methuen, London.
6. Gallaher, C., Carl T. Dahlman, Mary Gilmartin and Alison Mountz, With Peter Shirlow, 2009. Key Concepts in Political Geography, Sage, Los Angeles
7. Husain, Majid (1994); Political Geography; Anmol, New Delhi. 13)
8. Adhikari, S (2010); Political Geography; Rawat, New Delhi
9. Blackwell Companion to Political Geography, Wiley Blackwell, West Sussex, UK
10. Panikkar, K.M. (1959) Geographical Factors in Indian History; II Volumes – Asia Publishing House, Bombay.
11. Richard Muir, 1997. Political Geography: A New Introduction, Macmillan Press Ltd, London
12. Taylor, P. (1985) Political Geography, Longman, London..

**M.A. Geography**  
**Semester - III**  
**Credits: 4 (CC)**  
**Paper-XIII (MAG - 304)**

**POPULATION GEOGRAPHY**

**BLOCK-I CONCEPTUAL FRAMEWORK**

- UNIT 1: Population Geography and Demography
- UNIT 2: Approaches to Population Geography
- UNIT 3: History and Changing Methodology of Indian census

**BLOCK-II POPULATION DYNAMICS**

- UNIT 1: Population change and growth; Historical trends of population growth
- UNIT 2: Trends and patterns of fertility
- UNIT 3: Trends and patterns of mortality and child mortality
- UNIT 4: Migration: Types, Patterns, Causes and Consequences

**BLOCK-III POPULATION DISTRIBUTION AND REDISTRIBUTION**

- UNIT 1: Population distribution in the world and India
- UNIT 2: Patterns and Trends of population distribution: Urbanization in the developed and developing world
- UNIT 3: Urbanization in India: Trends and Patterns
- UNIT 4: World population-resource regions: Ackerman's scheme; Prospects of habitation of non-ecumene regions

**BLOCK -IV POPULATION PROBLEMS AND POLICIES**

- UNIT 1: Population: A problem (liability) or resource (asset)
- UNIT 2: Problem of Aging; Health-Care and Food Security
- UNIT 3: Critical Appraisal of Population Policy of India

### **Suggested Readings:**

1. Dyson, T. 2010. Population and development: the demographic transition. London: Zed Books.
2. Ehrlich, P.R. and Ehrlich, A.H. 1996. Ecoscience: Population, Resources, Environment. 6<sup>th</sup> edition, W.H. Freeman and Company, San Francisco.
3. Gould, W.T.S. 2009. Population and Development, London: Routledge.
4. Graff, M., and Bremner, J. 2014. A practical guide to population and development, Washington DC: Population Reference Bureau.
5. James, K.S. 2011. India's demographic change: opportunities and challenges. Science 333 (6042), 576-580.
6. May, J.F. 2012. World population policies: their origin, evolution, and impact, Washington DC: Springer.
7. Weeks, J.R. 2008. Population: an introduction to concepts and issues. 10<sup>th</sup> edition, Belmont, CA: Thomson Wadsworth.

**M.A. Geography**

**Semester - III**

**Credits: 4 (CC)**

**Practical - III (MAG-305)**

**GEOGRAPHICAL INFORMATION SYSTEMS  
(GIS) AND GEOGRAPHICAL POSITIONING SYSTEMS (GPS)**

**BLOCK -I GIS SOFTWARE & DATA HANDLING**

UNIT 1: Graphic user interface with GIS software: Arc View, Geo- media, ILWIS and Arc GIS  
UNIT 2: Software and hardware interface and limitations  
UNIT 3: Data input: spatial and non-spatial; scanning and digitizing; data import and export; data registration

**BLOCK -II DATA TRANSFORMATION**

UNIT 1: Topology building; data editing and cleaning; georeferencing  
UNIT 2: Projection and datum; coordinate transformation  
UNIT 3: Linking spatial and non-spatial data  
UNIT 4: Data base creation; Attribute handling

**BLOCK-III DATA BASE CREATION & DATA ANALYSIS**

UNIT 1: Spatial analysis: overlay, buffer and proximity, network analysis; quarry building: site suitability analysis  
UNIT 2: Creation of digital elevation models (DEM): contours and spot heights; 3D modelling, digital terrain models (DTM); determination of slope, aspect and height  
UNIT 3: Data interpolation: point and line data; output generation and layout

**BLOCK -IV GEOGRAPHICAL POSITIONING SYSTEMS**

UNIT 1: Familiarization of different types of GPS, checking of existing map coordinates using single GPS receivers  
UNIT 2: Collection of ground control points using single point receivers and relative point receivers  
UNIT 3: Calculation of coordinates and removal of errors in observation  
UNIT 4: Transferring data from GPS receivers to PC, Plotting of GCPs on image and maps

**Suggested Readings:**

1. Lo C. P. & Yeung A. K. W., (2004). Concepts and Techniques of GIS, Prentice-Hall of India, New Delhi.
2. Heywood I, Cornelius S, Carver S. (2000). Introduction to GIS. Addison Wesley Longman, New York.
3. Burrough P.A. and Rachael A. McDonnell. Principles of Geographic Information Systems, 2nd Ed.
4. Masood A S, (2006). Introduction to GIS, Sharda Pustak Bhavan Allahabad.
5. Fazal. S. & Rahman A (2007). GIS Terminology, New Age International Publishers, New Delhi.
6. Fazal. S. (2008). GIS Basics, New Age International Publishers, New Delhi.
7. Leick A. (1995) GPS Satellite Surveying, 2nd Edition, John Wiley and Sons.
8. French. G.T. Understanding the GPS: An Introduction to the Global Positioning System.

**M.A. Geography**  
**Semester - III**  
**Credits: 4 (CC)**  
**Practical- IV (MAG – 306)**

**DIGITAL IMAGE PROCESSING**

**BLOCK-I INTRODUCTION DIGITAL IMAGE PROCESSING**

- UNIT 1: Overview of image processing software: ERDAS Imagine and ILWIS
- UNIT 2: Import of digital data from CD; data conversion into DIP software
- UNIT 3: Display of digital data in different bands; digital data formats: band interleaved by line (BIL), band sequential (BSQL) and band interleaved by pixel (BIP)
- UNIT 4: Display of histogram and pixel data of digital image

**BLOCK-II IMAGE RESTORATION AND REGISTRATION**

- UNIT 1: Digital image restoration; geometric correction of digital data
- UNIT 2: Different methods of geometric corrections: image to image, map to image, GCPs using key board, from GCPs files
- UNIT 3: Projection transformation; re-sampling of digital data

**BLOCK-III IMAGE ENHANCEMENT AND DATA PREPARATION**

- UNIT 1: Image enhancement techniques: histogram equalization and display, contrast enhancement, edge enhancement; linear nonlinear stretching
- UNIT 2: Band rationing; image filtering: low pass and high pass filters; density slicing
- UNIT 3: Image fusion; principal component analysis (PCA); sub-setting of digital data; layer stacking

**BLOCK-IV IMAGE CLASSIFICATION AND INDICES**

- UNIT 1: Image classification: unsupervised and supervised techniques; generation of attribute table and calculation of area
- UNIT 2: Classification algorithm: maximum likelihood, minimum to mean distance and nearest neighborhood
- UNIT 3: Training sets for image classification; ground validation of classified data; vegetation indices: vegetation index (VI), normalized differential vegetation index (NDVI); water indices: water index (WI) and normalized differential water index NDWI



**Suggested Readings:**

1. American Society of Photogrammetry, Manual of Photogrammetry, 4<sup>th</sup> ed., Falls Church, Va., 1980.
2. Brock, G.C., The Physical Aspects of Aerial Photography, Dover, New York, 1967.
3. Wolf, P.R., Elements of Photogrammetry, 2<sup>nd</sup> ed., McGraw-Hill, New York, 1983.
4. Jeneson, J. R, Introductory Digital Image Processing: A Remote Sensing Perspective, 2nd Eds. Printice Hall, New Jersey

**M.A. Geography**

**Semester - IV**

**Credits: 4 (CC)**

**Paper-XIV (MAG – 401)**

**REGIONAL DEVELOPMENT AND PLANNING**

**BLOCK -I BASIC CONCEPTS**

UNIT 1: Region: Concepts and Types; Formal and Functional

UNIT 2: Delineation of region

UNIT 3: Development and Planning: Concepts, Need and Scope; Types of Planning

**BLOCK -II FRAMEWORK OF DEVELOPMENT AND PLANNING**

UNIT 1: Regional development: Concepts, levels, and Indicators

UNIT 2: Regional Planning: concepts and scope; Levels of planning: Local, Regional, National and Multi-level

UNIT 3: Regional Disparities

**BLOCK -III THEORIES AND MODELS**

UNIT 1: Theories and models of the regional development: Hirschman's model Growth pole theory of Perroux

UNIT 2: Economic growth: Rostow's model; Gunnar Myrdal model

**BLOCK -IV PLANNING AND REGION**

UNIT 1: Five Year Plans: Command Area Development, Planning for Backward Area, Desert Drought Prone, Hill and Tribal Area Development

UNIT 2: Decentralized planning (reference to 73<sup>rd</sup> and 74<sup>th</sup> Constitutional Amendment Acts)

UNIT 3: SEZs in regional development

### **Suggested Readings:**

1. Mishra. R. P. (1992). Regional planning: concepts, techniques, policies and case studies.
2. Bhat. L. S. (1972) Regional planning in India.
3. Chaudhary. J.R. (2001) Introduction to Development and Regional Planning: With Special Reference to India.
4. Mishra. J. Sinha. C. (1985) Planning and regional development in India.
5. Prasad B.K. (2005) India's development agenda: issues, challenges and policies.
6. Nath V. Aggarwal S.K. (2009) (Edited), Regional Development and Planning in India selected
7. Essays Concept Publishing Company.
8. Compton Paul A. Pecsí Marton. (1976). Regional Development and planning, Akademiai Kiado Publishers.
9. Chand. M. Puri V.K. (1983) Regional planning in India.
10. Aziz. A. Krishna. S. Regional development: problems and policy measures.
11. Mishra. S. Pal. C. (2000) Decentralized planning and Panchayati Raj institutions.
12. Thakur. B. (2005) Urban and regional development in India.

**M.A. Geography**  
**Semester - IV**  
**Credits: 4 (CC)**  
**Paper-XV (MAG – 402)**  
**GEOGRAPHY OF HEALTH AND WELL-BEING**

**BLOCK -I CONCEPTS, APPROACHES AND DETERMINANTS**

- UNIT 1: Basic Concepts, Scope and Significance of Health, Disease and Wellbeing
- UNIT 2: Approaches to the Study of Health Geography: Ecological, Social and Spatial
- UNIT 3: Approaches to the Study of Wellbeing: Need-based, Relative Standard and Capability
- UNIT 4: Geographical Factors affecting Human Health and Wellbeing

**BLOCK -II DISEASES AND THEIR TYPOLOGY**

- UNIT 1: WHO Classification of Diseases and their Major Types: Genetic; Communicable and Non-Communicable
- UNIT 2: Occupational and Deficiency Diseases; Epidemics and Pandemic

**BLOCK -III GLOBAL PATTERNS OF HUMAN HEALTH AND WELLBEING**

- UNIT 1: Ecology, Etiology, Diffusion and Distribution Pattern of Malaria, Tuberculosis, Hepatitis, AIDS, Glycemia and Cardiovascular Diseases
- UNIT 2: Poverty; Food Security; Nutrition Deficiency
- UNIT 3: Health and Sanitation Facilities

**BLOCK -IV INTERNATIONAL AND NATIONAL CONCERNS**

- UNIT 1: Role of WHO, UNICEF, Red Cross
- UNIT 2: Indian Health Care Planning: Child and Family Health Welfare, Immunization
- UNIT 3: Rural Health and Health for All Programmes
- UNIT 4: National Health Care Infrastructure; Health GIS

## **Suggested Readings:**

1. Braveman, P., Egerter, S., Williams, D.R. 2011. The Social determinants of health: coming of age, *Annual Review of Public Health*, 32:381-398.
2. Brown, T., McLafferty, S., and Moon, G. (eds.) 2010. *A Companion to Health and Medical Geography*, Wiley-Blackwell, Oxford.
3. Burton, L.M., Kemp, S.P., Leung, M., Matthews, S.A., and Takeuchi, T.A. 2011. *Communities, Neighbourhoods, and Health: Expanding the Boundaries of Place*, Springer, New York.
4. Curtis, S. 2004. *Health and Inequality: Geographical Perspectives*, Sage Publications, London.
5. Freudenberg, N., Klitzman, S., and Saegert, S. (eds.) 2009. *Urban Health and Society: Interdisciplinary Approaches to Health and Practice*, San Francisco, CA: Jossey-Bass.
6. Gaimard, M. 2014. *Population and Health in Developing Countries*, Springer, New York.
7. Gatrell, A.C. and Elliott, S.J. 2015. *Geographies of Health: An Introduction*. 3<sup>rd</sup> edition, Wiley-Blackwell, Oxford.
8. Kawachi, I., and Berkman, L.F. (eds.) 2003. *Neighbourhoods and Health*, Oxford University Press, Oxford.
9. Luginaah, I., and Kerr, R.B. (eds.) 2015. *Geographies of Health and Development*, Burlington, VT: Ashgate.
10. Misra, R.P. 2007. *Geography of Health: A Treatise on Geography of Life and Health in India*, Concept Publishing Company, New Delhi.
11. Meade, M.S. and Emch, M. 2010. *Medical Geography*. 3<sup>rd</sup> edition, Guilford Press, New York.
12. Sen, G., and Ostlin, P. (eds.) 2010. *Gender Equity in Health: The Shifting Frontiers of Evidence and Action*, Routledge, New York.

**M.A. Geography**  
**Semester - IV**  
**Credits: 4 (CC)**  
**Paper-XVI (MAG - 403)**

**GENDER GEOGRAPHY**

**BLOCK-I CONCEPTUALIZING GENDER WITHIN GEOGRAPHY**

UNIT 1: Development of and theoretical approaches to the study of gender in geography

UNIT 2: Digital negotiation in the making of gender

UNIT 3: Gender and Development

**BLOCK -II GENDER AND SPACE**

UNIT 1: Division of space into private and public spaces,

UNIT 2: Gendered access to and experience of space

UNIT 3: Spatial variations in the construction of gender in India.

UNIT 4: Social space and gender, creation of gendered space and reproduction of gendered space

**BLOCK -III MAPPING GENDERSCAPES**

UNIT 1: Concept of Genderscape

UNIT2: Digital Genderscapes; Gender Construction and Media Space

UNIT 3: Regional Genderscapes in India

UNIT 4: Genderscapes of violence and well-being in India

**BLOCK -IV DIGITAL FEMINISM AND SPACES OF RESISTANCE**

UNIT 1: Digital Feminism and Spaces of resistance

UNIT 2: Power and agency in patriarchy

### **Suggested Readings:**

1. Agarwal Bina, 1994. A Field of One's Own: Gender and Land Rights in South Asia, Cambridge University Press.
2. Geetha V. 2007. Patriarchy, Stree publications
3. Gregory Derek et al., 2009. Dictionary of Human Geography, 5th Edition, Wiley
4. Massey Doreen, 1994. Space, Place and Gender, University of Minnesota Press, Minneapolis.
5. Mazumdar Vina and N Krishnaji (eds), 2001. Enduring Conundrum: India's Sex Ratio, Centre for Women's Development Studies, Rainbow Publishers, Delhi.
6. McDowell Linda, 1999. Gender, Identity and Place: Understanding Feminist Geographies, Blackwell Publishers, Oxford.
7. McDowell, Linda and Sharp, Joanne, eds. 1997. Space/Gender/Knowledge: Feminist Readings. London: Arnold.
8. Moinuddin Shekh, 2010. Media Space and Gender Construction: A Comparative Study of State owned and Private channels in Post Liberalization Period. New Crystal, United Kingdom: Cambridge Scholar Publishing.
9. Moinuddin Shekh, 2021. Cartographies of Social Mediasphere: A New dimension in the spatiality, Transaction Institute of Indian Geographers, Pune Vol 43. No.2, 2021, pp. 269-276.
10. Phadke Shilpa, Ranade Shilpa and Sameera Khan, 2011. Why Loiter: Women and Risk on Mumbai Streets, Penguin
11. Spain Daphne, 1992. Gendered Spaces, University of North Carolina Press.
12. Walby Sylvia, 1990. Theorizing Patriarchy, Wiley Blackwell publishers.

**M.A. Geography**  
**Semester - IV**  
**Credits: 8 (CC)**  
**Project-I (MAG - 404)**

**GEOGRAPHY PROJECT**

**Note: Students will write a research project on a topic based on geographical understandings, issues, and concerns.**



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## 2. COUNSELLING SESSION

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Counselling sessions are held online normally on weekends within the general academic schedule of the Programme. **It may be noted that the counselling sessions are not conventional classroom teaching. Lectures will be largely based on discussions which will help to overcome difficulties faced by the candidates while going through the SLM. In these sessions, candidates must try to resolve subject related difficulties if any. Before you proceed to attend the counselling sessions, please go through your Self Learning Material and identify the points to be discussed.** The detailed schedule of the counselling session will be available on the Google Classroom and on the University Website:

<https://www.jmi.ac.in/CDOE/cschedule>

Counselling session will be organized in all theory / practical courses. There will be **6 (Six)** counselling sessions for each paper of 2 hours each. Attending the counselling session is not mandatory, nevertheless it is always in the interest of learner to attend these sessions.

### 2.1 MODE OF INSTRUCTION

It is based on Self-Learning Study Material prepared and supplied by CDOE, besides counselling sessions and other exercises such as assignments etc.

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## 3. ACADEMIC CALENDAR

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The academic calendar provides important dates and other relevant information corresponding to activities such as Counselling, Assignments, and Examinations etc. **Try to keep an eye on the important dates given in your academic calendar for different activities. You can view and download your academic calendar from JMI website – <https://www.jmi.ac.in/bulletinboard/academic-calendar/CDOE> as well as on the notice board of Centre for Distance and Online Education / Learner Support Centre.**

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## 4. LEARNER SUPPORT CENTRES

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The Learner Support Centre to which you have been admitted will remain your Learner Support Centre till you clear all components of the programme during maximum duration of the programme. No student would be permitted to change his/her Learner Support Centre at any point of time. All the activities related to Counselling, Assignments and Semester End Examinations will be held at the Learner Support Centre only. However, the CDOE, JMI reserves the right to discontinue/change the Examination/Learner Support Centre at any point of time as it deem appropriate.

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## 5. EVALUATION SYSTEM

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### 5.1 Assignments

Assignments are a part of continuous evaluation system. The submission of assignments is compulsory. Assignments of a course carry 40% weightage in terms of marks.

Assignments are designed in such a way as to help you concentrate mainly on the printed course material (SLM). However, access to other books and sources will be an added advantage in your academic pursuit.

Assignments should be hand written. Typed or printed assignments **shall not be** entertained.

For your own record it is advisable to retain a copy of all the assignment responses.

You have to submit the Assignments on the Google Classroom on or before the last date of submission mentioned in the Academic Calendar.

Write your Name and Roll Number correctly and legibly on the Assignment booklet (which can be any normal pages).

Getting pass percentage in assignments is mandatory. If you do not get passing marks in any

assignment, you have to submit a fresh assignment in consultation with the Programme Coordinator. However, once you get the passing marks in an assignment, you cannot re-submit it for improvement of marks.

## **5.2 Semester Examinations**

Term-end Examination is the major component of the evaluation system and it carries 60% weightage in final result. You must fill in the Examination Form online on the website of Controller of Examinations (<https://jmicoe.ac.in/>) and you are suggested to keep a copy of the examination form with you for the further reference if needed.

## **6. Semester End Examination Date-sheet**

On receipt of your Examination Form, the Admit Card will be available to download on the website of the Controller of Examinations 15 days before the commencement of the Examination. In case you fail to receive the Admit Card before the commencement of examination, you may contact your Examinations Centre / Learner Support Centre. A duplicate admit card will be issued at the time of Examination.

Examinations Date-sheet will be uploaded on the website much in advance before the commencement of the Examination at <https://jmicoe.ac.in/>.

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## **7. SEMESTER END EXAMINATION RESULT**

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The evaluation consists of two parts (i) Assignments (ii) Semester Examination. In the final result all the Assignments of a course will carry 40% weightage while 60% weightage will be given to the End Semester Examination.

### **7.1 Declaration of Result**

To pass a Programme under distance mode, a candidate must obtain:

- (a) At least 40% marks in each component of theory papers i.e. in assignments and Semester Examination, separately.
- (b) An aggregate of at least **50%** marks based on all theory papers and assignments, to obtain the degree.
- (c) If a student fails to qualify any component of a paper or a programme he/she can repeat the same during the subsequent years, up to the maximum duration provided for the Programme from the date of registration.
- (d) On the basis of the marks obtained, division will be awarded in the following way:
  - (i) Distinction to those who obtain 75% marks or more in the aggregate.
  - (ii) First division to those who obtain 60% marks or more in the aggregate.
  - (iii) Second division to those who obtain less than 60% marks in the aggregate but not less than 50% marks.
  - (iv) Third division to those who obtain less than 50% marks in the aggregate but not less than 40% marks.

Grace Marks: A maximum of three (3) grace marks shall be given only to those students who by obtaining them are able to either pass the examination or improve to get a division. Only minimum grace marks as required shall be awarded. The grace marks awarded shall be counted in Grand total.

### **Grievance committee:**

- (i) VC Nominee (Subject)
- (ii) Dean (CDOE)
- (iii) Subject Expert from concerned Department
- (iv) Academic Coordinator

## **7.2 Promotion to the next Year of the Programme**

- I. Students registered for a Programme will automatically be promoted to the next semester of the Programme. The student can clear all un-cleared theory papers and assignments within the maximum time limit allowed to complete the Programme. The students will be declared successful for award of Degree only after clearing all theory papers and assignments required within the maximum time period inclusive of the year of admission. A student who does not appear in any component (End Semester Examination and Assignments) in the minimum duration provided for the Programme, he/she will have to seek re-registration by submitting the prescribed fee through Demand Draft if he/she wishes to continue through the Programme.
- II. No candidate shall be permitted to move to the third semester if he/she has a backlog of more than 50% of the courses of the first and second semesters combined.

## **7.3 Re-evaluation of Answer Scripts**

No request for re-evaluation of the result declared in any course shall be entertained. However, the re-totaling of marks of an answer book will be permitted on submission of an application along with the prescribed fee by the candidate to the Controller of Examinations.

## **7.4 Improvement of Result**

A student may be allowed to appear in the examination for improving his/her result provided that:

- I. A student may be allowed to improve his/her grade in any two of the courses in the next semester. However, the improvement of the odd/even semester course will be permitted in the next odd/even Semester End Examination only.
- II. Improvement examination will be held in Theory courses only.
- III. The appearance at such an examination in the course will be allowed only once. No further chance will be given under any circumstances.
- IV. For the purpose of determining the final division/ grade, the grades obtained by the candidate in the improvement examination only will be taken into consideration.

## **7.4 Result**

- Result will be declared in grade system

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## 8. GENERAL REGULATIONS

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### Programme Fee, Re-Registration, Late fee and other Charges

- **Programme Fee:** The Programme fee is payable in advance each year, irrespective of results through the fee payment portal of **Jamia Millia Islamia** (<https://www.jmi.ac.ac.in/feepayment> ) on or before the date fixed by CDOE, Jamia Millia Islamia. No refund of fees is allowed in any case.
- **Re-Registration Fee:** A student who does not appear in any component (i.e. theory and assignment) of the Programme during the minimum period and wishes to continue the Programme, then he/she will have to re-register by paying the prescribed re-registration fee; given in the table on next page.
- **Late Fee:** A student who doesn't submit his/her Assignments and Examination Form on time may submit the same with the prescribed late fee; and
- Candidates are required to intimate the relevant authorities, sufficiently in advance, if there is any change of address/mobile number etc.

**Table: Renewal and other Fee applicable for MA ENGLISH (Distance Mode and Online Mode)**

Sl. No.	MA ENGLISH (Distance Mode and Online Mode)	Fees/Charges (Rs.)
1.	Programme/Renewal Fees (to be paid for final Year)	12000/-
2.	Submission of Assignments with late fees up to the maximum period of 4 weeks	100/- (Per Assignment)
3.	Submission of Assignments in the following years (In case of absence/fail if any)	200/- (Per Assignment)
4.	Submission of Annual Examination form with late fees up to 4 weeks.	250/-
5.	Submission of Annual Examination form with late fees beyond 4 weeks up to the next 4 weeks.	600/-
6.	Re-appearing in Semester End Examination (In case of absence/fail/improvement)	500/- (Per paper/course)
7.	Re-Registration Fee*	3000/-
8.	Provisional Certificate	50/-
9.	Migration Certificate	50/- (after passing exam)
10.	Migration Certificate	200/- (before passing exam)
11.	Duplicate Statement of Marks (Attach a copy of FIR)	200/-

12.	Duplicate Identity Cards (Attach a copy of FIR)	200/-
13.	Change of Address in ID Card	50/-
14.	Change in medium (If any)	1000/-
15.	Change of Course/Papers	1500/- per course
<p><b>Note:</b> * If a candidate fails to appear in any of the prescribed components of the Programme within the stipulated period of 2 years and desires to continue the Programme after the lapse one year he/she should re-register for the Programme by depositing the above mentioned re-registration fee. The Fee once paid will not be refunded or adjusted under any circumstances.</p> <p>All the fees/charges wherever, applicable will be payable only through CDOE Online Fee Payment Portal.</p> <p>The aforesaid fee is subjected to revision during the academic year as per University rules.</p>		



Centre for Distance and Online Education  
Jamia Millia Islamia, New Delhi – 110025

Admission Renewal Form

M.A. Geography Part-II/Semester III

(Distance Mode) Session .....

Roll No.

Enrolment No. ....

.....

Name of the Learner Support Centre

.....

Learner Support Centre Code No.

.....

Name of the Candidate.....

(Block Letters)

Father's Name & Address .....

Mob.....

I wish to take admission in.....Year

.....  
Name of Course

Subject Code 1. .... 2 .....3.

..... 4. .... 5. ....

Mobile No.....

(Date of Submission)

(Signature of the Candidates)

The Candidate has been promoted to ..... And the fee of Rs.

..... has been deposited through payment reference No.

.....Date.....Bank .....

(Signature of the Programme In-charge)

(Signature of the Verifying Officer)





**Centre for Distance and Online Education  
Jamia Millia Islamia, New Delhi – 110025**

**Application Form for Re-registration**

**(Particulars should be filled in by the Candidate in his/her own handwriting)**

The Hony. Director  
Centre for Distance & Open Learning  
Jamia Millia Islamia  
New Delhi-110025

Affix an  
attested  
photograph

Sir,

I seek re-registration to the  
programme.....(Distance Mode/ Online Mode),  
Session ..... As I could not appear in any component in the Part  
..... Session.....

I certify that I am the same person who took admission in this programme in  
session.....

Yours Faithfully

(Signature of the Applicant)

Re-registration fee Rs. .... by DD No. ....  
Drawn on Bank ..... Dated..... is enclosed herewith.

**Particulars**

**Candidate's Name (in Block Letters)** .....  
Candidate's Name in Urdu or Hindi: .....  
Father's Name: (in Block Letters):.....  
Father's Name in Urdu or Hindi : .....  
Present Postal Address.....  
Phone No. ....  
Name of the Programme Admitted... Part .....Year .....  
Roll No. ....Enrolment No.....  
Programme Centre Code & Name

**(For Office Use Only)**

Received application form of Ms/Mr .....Roll No.  
..... for re-registration to the programme  
.....(Distance Mode) Session ..... DD No.  
..... Bank.....Date  
..... of Amount .....

**Dated .....**



**Centre for Distance and Online  
Education**

**Distance Mode/Online Mode**

**APPLICATION FOR RE-EVALUATION OF ANSWER SCRIPT(S)**  
*(Particulars should be filled in by the candidate in his/her own handwriting)*

A. Name of candidates (in Block letters)

..... Roll No.

.....Enrolment No.

.....

Name of the Programme/Exam.....

Part..... (Annual 200..... Particulars of papers in which Re-evaluation is required is given below:

Course/Paper (see Paras 5&12)	<u>MARKS</u> Obtained out of	<u>Aggregate</u>	<u>Result</u>
----------------------------------	---------------------------------	------------------	---------------

1. ....

2. ....

**Note:** Original Statement of Marks (Marks-sheet) together with a Photostat copy should be attached herewith.

**B. DECLARATION:**

- (i) I have carefully read ordinance regarding re-evaluation and I agree to abide by the same.
- (ii) I also undertake to accept the final result to be declared by the Controller of Examinations, Jamia

Date .....

.....

...

Signature of Candidate

Present Address .....

.....

...

.....

...

C. Amount of Fee of Rs. ....paid Vide Receipt No./DD  
No..... Name of the Bank .....  
Date.....(Receipt/DD attached)  
(see Paras 1, 3 & 6 printed-verleaf)

Received application from of Mr./Ms.

.....

Class..... (Distance Mode) for Re-evaluation.

Date .....

For Controller of Examination

### **ORDINANCE FOR RE-EVALUATION OF ANSWER-SCRIPTS**

1. (a) Any candidate intending to apply for Re-evaluation for Answer script(s) of any Paper, Subject of his/her written examination, may do so on the prescribed application form within ONE MONTH of the declaration of the result in each case.  
  
(b) However, the Re-evaluation of scripts will not be allowed in more than ONE-THIRD of written papers up to the maximum of three papers (whichever is less) of an Annual Examination.
2. The application for Re-evaluation shall be made once only in respect of the papers of an examination in which re-evaluation is required.
3. No application for re-evaluation shall be, entertained beyond the prescribed time limit under any circumstances whatsoever.
4. Each application for re-evaluation shall be accompanied by the "ORIGINAL STATEMENT OF MARKS" issued to the candidate. The photo copy of the statement of marks/grades will be returned to the candidate after proper endorsement of the same to the effect that the candidate's result is under consideration and that he/she will accept the final result to be declared by Jamia as a result of re-evaluation applied for by him/her.
5. Re-evaluation shall not be permitted in the case of Practical Examination, internal evaluation, Viva-Voce, as also the answer scripts of any examination which have already been valued in full by joint Examiners/Board of Examiners.
6. The candidate applying for Re-evaluation shall be required to pay a fee of Rs.500/- per paper or part thereof. No refund will be made in any case.
7. The merit list, declared in the result of the respective examination will not be disturbed due to re- evaluation of scripts.
8. If there be any change in the result of the Examination due to Re-evaluation of answer scripts, no examinee can complain in the Court of Law or any action can be taken against the examiner concerned.
9. If the award of the re-evaluator varies from the original award up to and Including + 5% of the maximum marks, secured earlier, the original award will stand, If a candidate secures more than + 5% and less than or equal to 20% of marks, the marks awarded by the re-evaluator will be final. if a candidate secures more than 20% of marks (plus or minus) in re-evaluation the answer- script will be sent to the 3rd examiner. The average of the marks awarded by the 2nd and 3rd examiners will be taken and it will be final.
10. All cases of re-evaluation of script shall be reported to the Examination Committee.
11. Application for re-evaluation of answer-scripts of only Annual Examination shall be accepted.
12. Answer-scripts of those who appeared for Improvement of the Division or Percentage shall be final and are not subject to Re-evaluation.

- NOTE:** (a) Demand Draft of Rs. 500/- per course should be in favour of “Jamia Millia Islamia , New Delhi” and payable at New Delhi. Please send all the documents and demand draft for re-evaluation to “ The Controller of Examinations, Jamia Millia Islamia, New Delhi.”
- (b) Students must fill separate forms attaching separate Demand Draft for papers of different parts.
- (c) Postal Charges: If the certificate / Marksheet etc is required by post then you must send your forms accompanied by a self addressed envelope bearing Indian stamps of Rs. 45/-only.



**Centre for Distance and Online Education**  
**JAMIA MILLIA ISLAMIA**  
(A Central University by an Act of Parliament)

**APPLICATION FOR CERTIFICATE**

The Controller of Examination  
Jamia Millia Islamia, New Delhi -110025

Sir,

I request you to please issue me the Certificate mentioned below. I certify that I am the same candidate who appeared at the following examination. My signature and particulars given below are attested by the Programme Incharge / Director, Centre for Distance and Online Education / Gazzetted Officer.

Yours faithfully,

.....  
CANDIDATE

**PARTICULARS**

1. Candidate's  
Name.....

.....  
(in Block Letters)

2. Candidate's Name in Hindi or  
Urdu.....

.....

3. Father's  
Name.....

.....  
(in Block Letters)

4. Father's Name in Hindi or  
Urdu.....

.....

5. Present Postal  
Address.....

.....

.....Phone / Mobile

No.....

6. Name of the  
Examination.....Part.....Year.....

.....

7. Roll No.....Enrolment No.....Previous Enrolment No if  
any.....

8. Date of admission (in the Centre for Distance and Online  
Education).....

(To be filled when the Migration Certificate is required)

9. Certificate Required

.....

.....

.....

Attested by the Director, Centre for Distance and Online Education / The Programme Incharge / Gazetted Officer (Office Stamp)

<b>NOTE:</b> <b>FOR</b> <b>PROVISIONAL/MIGRATION, PLEASE</b> <b>ATTACH A PHOTOSTATE COPY</b> <b>(ATTESTED) OF THE MARKSHEET OF</b> <b>FINAL EXAMINATION</b>	Received the Certificate mentioned above  ..... CANDIDATE
--	--

Amount of Fee of Rs. ....paid Vide Receipt No / DD  
No.....Name of the  
Bank.....Date..... (Receipt/DD attached). I authorize..... to collect my.....Certificate.

The Specimen Signature of Messenger is given below:

.....  
.....  
Specimen Signature of Messenger  
CANDIDATE

-----Received application form of Mr./  
Ms.....Class.....(Distance  
Mode) for .....Certificate.

Date..... For Controller of Examination

#### **FEES FOR ISSUING MIGRATION, PROVISIONAL & OTHER CERTIFICATES**

	<b>RUPEES</b>
<b>1. PROVISIONAL CERTIFICATE</b>	<b>50</b>
<b>2. DUPLICATE MARKSHEET / MIGRATION / PROVISIONAL</b>	<b>200</b>
For above – mentioned Duplicate Certificate attach a copy of F.I.R)	
<b>3. MIGRATION CERTIFICATE</b>	
a) After passing the examination for which the applicant was studying	<b>50</b>
b) Before passing the examination for which the applicant was studying	<b>200</b>
<b>4. CHANGE OF NAME:</b>	



A student applying for change of his/her name in the Register of students shall submit his/her application to the Controller of Examinations accompanied by:

- a) The prescribed fee Rs. 150/- by demand draft.
- b) An affidavit relating to his / her present and proposed name, duly sworn in the presence of a Magistrate by himself/herself.
- c) A publication from a newspaper in which the proposed change of name has been advertised. However the provision relating to publication shall not be applicable in case where a woman candidate is wanting to change her name following her marriage.

The Examination Committee on considering such applications and taking decisions thereon shall report to the Majlis-I-Talimi (Academic Council)

		Minimum Time required (working days)
i) Provisional Certificate	-----	20 days
ii) Migration	-----	20 days
iii) Duplicate Marksheet	-----	20 days
iv) Change of Name	-----	6-7 days

**5. TIME REQUIRED FOR PREPARATIONS/ISSUE OF THE MARK-SHEET/CERTIFICATE PROVIDED ALL OTHER REQUIRED DOCUMENTS ARE ATTACHED.**

- Note:**
- a) Old cases of more than 3 years will require more time.
  - b) Students must fill separate forms and attach separate Demand Drafts for each certificate to be issued.
  - c) Demand Draft of an appropriate amount per certificate etc. should be in favour of “**Jamia Millia Islamia**”. and payable at New Delhi . Please send all the documents and demand draft for the required certificates to “**The Controller of Examinations, Jamia Millia Islamia, Jamia Nagar, New Delhi-110025**”.



**Centre for Distance and Online Education**  
**JAMIA MILLIA ISLAMIA**  
(A Central University by an Act of Parliament)

**Distance ode**

**FOR ISSUE OF DEGREE/DIPLOMA/CERTIFICATE**

The Controller of Examination  
Jamia Millia Islamia,  
New Delhi-110025

Sir,

Affix an  
attested  
photograph

I request you to please issue me the Degree/Diploma/Certificate mentioned below. I certify that I am the same candidate who appeared at the following examination. My particulars are as follows

1. Candidate's  
Name.....

(in Block Letters)

2. Candidate's Name in Hindi or  
Urdu.....

3. Father's  
Name.....

(in Block Letters)

4. Father's Name in Hindi or  
Urdu.....

5. Mother's  
Name.....

6. Present Postal  
Address.....

.....Phone / Mobile  
No.....

7. Name of the  
Examination.....Part.....Year.....

8. Roll No.....Enrolment No.....Previous Enrolment No if  
any.....

Previous Enrolment No if Yours  
any..... Faithfully,

Verified from the records and certified that Mr./  
Ms..... whose signature & photograph  
are attested above, has signed In my presence and is a genuine candidate. (Signature of  
He/She has no dues. Candidate)

Signature with Seal  
Dean/Principal/Headmaster/Director

Received the Degree/Diploma/Certificate

(Concerned)

\_\_\_\_\_  
Candidate/Messenger Signature with date

I authorize..... to collect my above mentioned Degree/Diploma/Certificate.

The Specimen Signature of Messenger is given below:

\_\_\_\_\_  
Specimen Signature of Messenger

\_\_\_\_\_  
(Signature of Candidate)

**(See instruction overleaf)**

### **INSTRUCTIONS**

1. Attach photocopies of marks sheets of all years examination (passed) (in case of improvement, attach a photocopy of improved marksheet).
2. If the course is completed in more than minimum duration of course, attach photocopy of the combined marks sheet.
3. Photocopy of notification in case of Ph.D. Degree
4. The Candidate / Messenger must show his /her Identity at the time of receiving the degree/diploma/certificate.

#### **Issue of Duplicate Degree / Diploma / Certificate:**

Duplicate degree/diploma/ certificate can also be obtained on submitting an application alongwith the following:

1. An affidavit signed and certified by the First Class Magistrate
2. Cutting from the leading newspaper showing that the original has been lost or destroyed, or submit defaced/remaining portion of degree/diploma/certificate.
3. Prescribed fee of Rs. 100/-

#### **Time required for preparation/issue of the certificate provided all other required documents are attached.**

Degree / Diploma / Certificate 30days

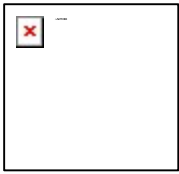
Duplicate Degree / Diploma / Certificate 60 days

**Note :** Old cases of more than 5 year will require more time.

I have read all above mentioned instruction carefully. I will abide by the rules and regulations or any instruction s given by Examination Department.

.....

**Signature**  
**Candidate / authorized person**



**Form 'A'**  
**Jamia Millia Islamia, New Delhi**  
**Particulars of Forms A, B & C to be filled in by the candidate in his/her own handwriting**

**Examination: ..... (Distance Mode) Final Year.....**

The Controller of Examination  
Jamia Millia Islamia  
New Delhi – 110025

Sir,

I request you to permit me to appear at the examination noted above. The examination fee has been deposited. I declare that I have not been debarred by any University or Board from taking any examination during the above mentioned year and that the entries made by me on the forms A, B, & C (attached) are true to the best of my knowledge and belief. I agree to abide by the Statutes, Ordinances and regulations existing and amended from time to time.

Yours Faithfully,

\_\_\_\_\_  
Candidate's signature ( in full)

Date .....

**Roll No.**

.....

**Enrolment No. ....**

**LSC Code No.....**

**Candidate's  
Photograph To be  
pasted here**

Photo & Signature to be attested by the  
Hony. Director Centre for Distance &  
Open Learning, Jamia Millia Islamia

Course in which he/she wishes to be examined (Mentioned option of Courses, if any). Title of Courses

Course Code	Course Title

Specimen signature of the candidate (in full).....

1. Name of the Candidate

(BLOCK LETTERS)

2. Date of Birth (in words).

.....

3. Place of Birth

4. Nationality.....

**Town**

**Distt.**

**State**

5. Father's  
Name.....Occupation.....  
.....
6. Address  
(Present).....  
.....
- .....
7. Enrolment No.....Medium of  
Examination.....
8. Whether you belong to  
SC/ST/PH.....

**Declaration:**

I hereby solemnly affirm that I have submitted/will submit all the required number of assignments prescribed for the above course(s) within the deadlines prescribed by the University, to the appropriate authority for evaluation. I am aware that submission of assignments prescribed for these courses is a pre-requisite for taking Term-End-Examination. In case my above statement regarding submission of assignment is found to be untrue, the University may cancel the result of my above mentioned Term-End-Examination and I undertake that I shall have no claim whatsoever in this regard. I also undertake that I shall abide by the decision, rules and regulations of University. I have signed this undertaking on this..... day of.....

Signature of the Candidate.....

**Declaration:**

I hereby declare that all the entries made in the form and copies of documents attached herewith are correct to the best of my knowledge. If any falsification is found in this connection, the Jamia Millia Islamia has the right to cancel the examination at any time.

.....  
Signature of Candidate

.....  
Signature of Father/Mother/Guardian

**CERTIFICATE**

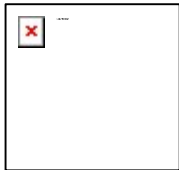
Certified that the above named student is a Distance Mode student. His /her conduct is satisfactory and that he/she is eligible to appear at the examination noted above. The information furnished by him/her on Forms A, B and C is correct. Photographs & Signatures of the candidate on forms A, B and C are attested.

Date .....

.....  
Hony. Director



N.B. (a) The Examination will be held according to the ‘Scheme of Examination’ (Date Sheet) placed on the Notice Board of the Arjun Singh Centre for Distance and Online Education Office and Controller of Examination, Jamia Millia Islamia and the Programme Centre  
(b) Candidate must bring his/her own pen, pencil and identity card etc.  
(c) Order of the question papers given in the date sheet shall not be guaranteed. (d) Read carefully and follow the ‘Instructions for Candidates’ (Printed overleaf)



**Form 'B'**  
**ADMIT CARD**  
**JAMIA MILLIA ISLAMIA, NEW DELHI**  
**SEMESTER EXAM..... (Distance Mode) Final Year.....**

Candidate's Name  
(Capital Letters)

Affix your recent photo (Size 2x1.5) attested by the Director, Centre for Distance and Online Education or by the Programme In charge. Photograph should be pasted with gum and not stapled or pinned.

Father's

Name.....

Examination.....

.....Part.....

Medium of

Examination.....

...Category: **Distance Mode**

All Courses/Papers in which the candidate wishes to appear this year

Course Code	Course Title	Course Code	Course Title
Practical and/or viva etc. prescribed			

Roll No. ....

Enrolment No. ....

LSC Code No.....

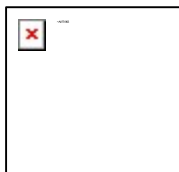
**Specimen Signature of the Candidate**

Hony. Director

N.B. (a) The Examination will be held according to the ‘Scheme of Examination’ (Date Sheet) placed on the Notice Board of the Arjun Singh Centre for Distance and Online Education Office and Controller of Examination, Jamia Millia Islamia and the Programme Centre  
(b) Candidate must bring his/her own pen, pencil and identity card etc.  
(c) Order of the question papers given in the date sheet shall



not be guaranteed. (d) Read carefully and follow the  
'Instructions for Candidates' (Printed overleaf)



**Form 'C'**  
**JAMIA MILLIA ISLAMIA**  
**STUDENT'S RECORD CARD**

(To be filled in by the applicant in his/her own handwriting)

**Examination/programme:**.....

**Final Year** ..... **Distance Mode**

**Name (in full)**

**Marital Status\***

Married

☐

Unmarried

☐

**Gender**

Female

☐

Male

☐

Transgender

Name in Urdu or in Hindi

.....  
.....

Father's

Name.....

.....

Permanent

Address.....

.....

Present

Address.....

.....

Place of Birth

--	--	--	--	--	--	--	--

(in words also)

.....  
..

Place of Birth.....

Nationality.....

Medium of Admission (Present Programme).....

Medium of  
Exam\*\*

Urdu

☐

Hindi

☐

English

☐

Member of Scheduled Caste\* ☐ or Scheduled Tribe\* ☐ Or Physically Handicapped\* ☐  
 (\*Put a tick mark (√) in the appropriate Box)

**Enrolment No.**

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<i>Certificate Issued</i> (Office use only)	<i>Programme</i>	<i>Year</i>
Provisional.....	.....	.....
Migration.....	.....	.....
Degree/Diploma.....	.....	.....
Age.....	.....	.....
Merit.....	.....	.....

Paste Firmly within the space Provided, a recent passport size (3x2") photograph duly attested on the front side

I hereby declare that all the entries made in this card are correct to the best of my knowledge.

Date ..... Specimen signature of the candidate

Information furnished by the student, his/her photo and specimen signatures are attested.

Date .....

Hony. Director