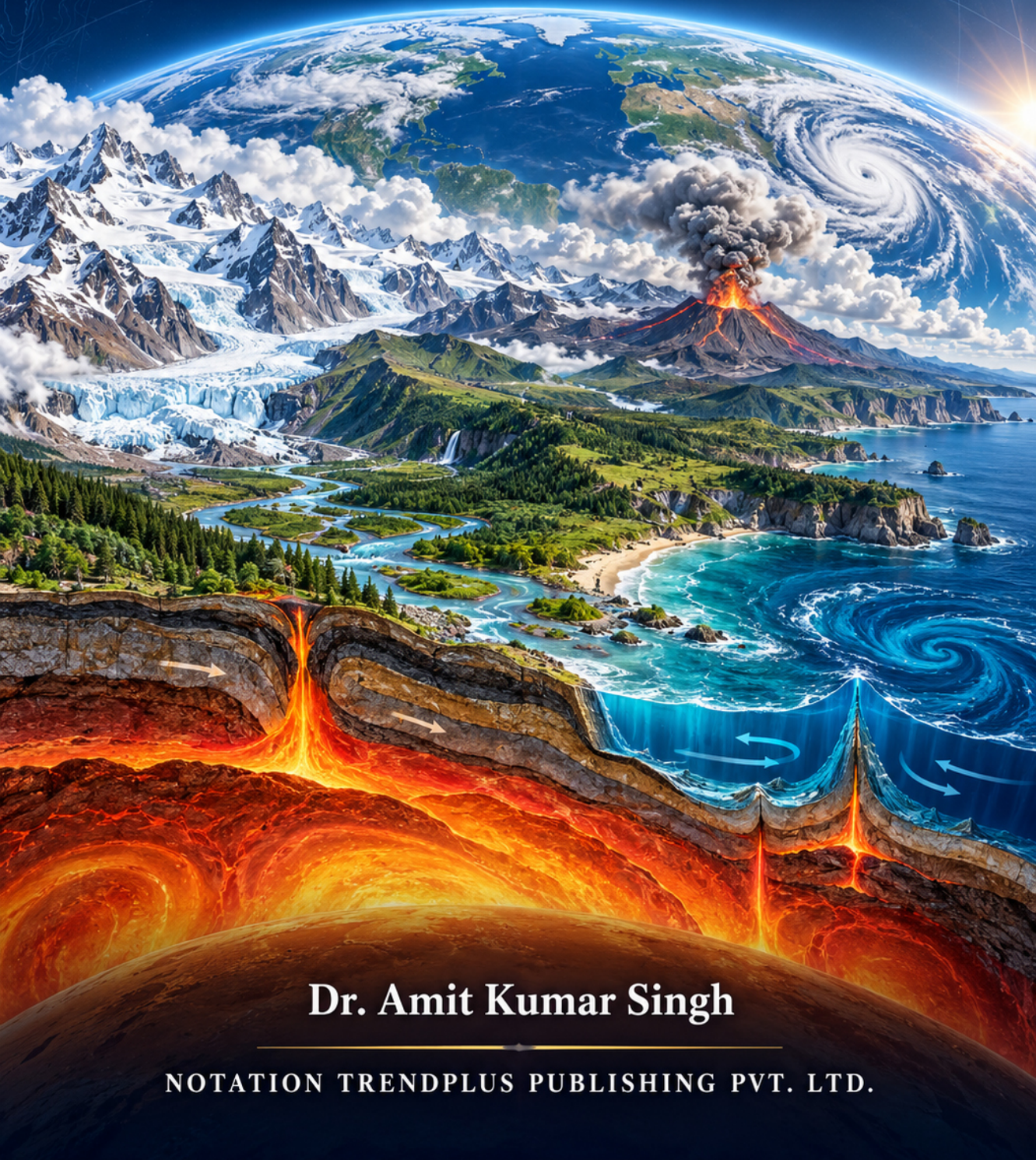
Fundamentals of Physical Geography

Earth Systems, Landforms and Climate



Dr. Amit Kumar Singh

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Fundamentals of Physical Geography: Earth Systems, Landforms and Climate

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About the Book

Fundamentals of Physical Geography: Earth Systems, Landforms and Climate provides a comprehensive understanding of the Earth's physical environment, natural processes, and geographical systems. The book introduces fundamental concepts of physical geography, emphasizing the interactions among the lithosphere, atmosphere, hydrosphere, and biosphere.

It explores the origin, structure, and interior of the Earth, geomorphological processes, landform development, plate tectonics, earthquakes, and volcanic activities. Special attention is given to atmospheric structure, weather processes, global climate systems, climate classification, oceanography, and hydrological processes. The book also examines soil formation, natural vegetation, biogeographical regions, natural hazards, environmental changes, and disaster management strategies.

Written in clear, systematic, and student-friendly language, this book integrates theoretical knowledge with practical geographical understanding. It serves as a valuable academic resource for undergraduate and postgraduate students, educators, researchers, and geography enthusiasts seeking to understand Earth's dynamic systems, environmental processes, and the importance of sustainable management of natural resources.

Author
Dr. Amit Kumar Singh

Preface

Physical geography provides a scientific foundation for understanding the Earth's natural systems, environmental processes, and dynamic landscapes. The study of landforms, climate, oceans, water resources, soils, and natural vegetation is essential for understanding the interactions between the physical environment and human activities.

The book Fundamentals of Physical Geography: Earth Systems, Landforms and Climate has been developed to provide a comprehensive and systematic understanding of the fundamental principles of physical geography. It covers important topics such as Earth's origin and internal structure, geomorphological processes, plate tectonics, earthquakes, volcanism, atmospheric processes, global climate systems, oceanography, hydrology, soils, and biogeographical regions.

Special emphasis is placed on natural hazards, environmental changes, and disaster management. Written in clear and accessible language, this book is designed for undergraduate and postgraduate students, educators, and researchers.

It is hoped that this book will enhance geographical knowledge, encourage scientific thinking, and promote environmental awareness and sustainable development.

Author
Dr. Amit Kumar Singh

About the Book.....III
Preface.....IV
CHAPTER 1: INTRODUCTION TO PHYSICAL GEOGRAPHY AND EARTH SYSTEMS.....1
1.1 Meaning, Nature and Scope of Physical Geography.....1
1.2 Development and Major Branches of Physical Geography.....4
1.3 Earth as a Dynamic and Interconnected System.....6
1.4 Major Spheres of the Earth: Atmosphere, Hydrosphere, Lithosphere, Biosphere and Cryosphere.....8
1.5 Energy Sources and Processes Operating on Earth.....11
1.6 Matter Cycles and Interactions Among Earth Systems.....13
1.7 Spatial Patterns, Geographical Scale and Environmental Change.....15
1.8 Methods and Techniques Used in Physical Geography.....16
1.9 Importance of Physical Geography in Environmental Management and Sustainable Development.....19
CHAPTER 2: ORIGIN, STRUCTURE AND INTERIOR OF THE EARTH.....23
2.1 Introduction to the Origin and Evolution of the Earth.....23
2.2 Scientific Theories of the Origin of the Universe and Solar System.....25
2.3 Formation and Early Evolution of Earth.....27
2.4 Shape, Size and Physical Properties of Earth.....29
2.5 Internal Structure of Earth: Crust, Mantle and Core.....30
2.6 Mechanical Layers: Lithosphere, Asthenosphere and Mesosphere.....32
2.7 Seismic Waves and Evidence About Earth's Interior.....34
2.8 Internal Discontinuities, Temperature, Pressure and Earth's Magnetic Field.....36
2.9 Earth's Internal Processes and Their Role in Landform Development.....38
3.1 Introduction to Geomorphology: Meaning, Nature and Scope.....43
3.2 Classification of Landforms and Geomorphic Processes.....46
3.3 Weathering: Physical, Chemical and Biological Processes.....47

3.4 Mass Wasting, Erosion, Transportation and Deposition 50
3.5 Fluvial Geomorphology: River Processes and Landforms 52
3.6 Glacial Geomorphology: Erosion and Depositional Landforms 55
3.7 Aeolian, Coastal and Karst Geomorphology 57
3.8 Landscape Evolution, Geomorphic Cycles and Slope Development 59
3.9 Applications of Geomorphology in Environmental Management and Disaster Risk Reduction 61
CHAPTER 4: PLATE TECTONICS, EARTHQUAKES AND VOLCANISM 66
4.1 Introduction to Plate Tectonics and Earth's Dynamic Crust 66
4.2 Continental Drift Theory and Development of Plate Tectonics 68
4.3 Types of Plate Boundaries and Associated Landforms 71
4.4 Earthquakes: Meaning, Causes and Characteristics 73
4.5 Seismic Waves, Earthquake Magnitude and Intensity 75
4.6 Earthquake Hazards, Impacts and Risk Reduction 77
4.7 Volcanism: Origin, Types and Volcanic Landforms 79
4.8 Global Distribution of Volcanoes and Volcanic Hazards 81
4.9 Plate Tectonics, Mountain Building and the Tectonic Setting of India 83
CHAPTER 5: CLIMATOLOGY: ATMOSPHERIC STRUCTURE AND WEATHER PROCESSES 88
5.1 Introduction to Climatology: Meaning, Nature and Scope 88
5.2 Composition and Vertical Structure of the Atmosphere 90
5.3 Solar Radiation, Earth's Heat Balance and Atmospheric Temperature 93
5.4 Atmospheric Pressure, Pressure Belts and Wind Systems 95
5.5 Atmospheric Moisture, Humidity, Clouds and Precipitation 98
5.6 Atmospheric Stability, Air Masses and Fronts 100
5.7 Cyclones, Anticyclones and Major Weather Phenomena 102
5.8 Meteorological Instruments, Weather Observation and Forecasting 104
5.9 Weather and Atmospheric Processes in India 106

CHAPTER 6: GLOBAL CLIMATE SYSTEMS AND CLIMATE CLASSIFICATION 111
6.1 Introduction to the Global Climate System 111
6.2 Major Factors Controlling Global Climate 113
6.3 Global Atmospheric Circulation and Climatic Zones 116
6.4 Ocean–Atmosphere Interactions and Major Climate Oscillations 118
6.5 Principles and Importance of Climate Classification 121
6.6 Köppen–Geiger Climate Classification 122
6.7 Characteristics and Distribution of Major World Climate Regions 125
6.8 Thornthwaite Climate Classification and Climatic Water Balance 128
6.9 Climate Variability, Climate Change and Environmental Implications 129
CHAPTER 7: OCEANOGRAPHY: OCEAN RELIEF, CURRENTS AND MARINE RESOURCES 135
7.1 Introduction to Oceanography: Meaning, Nature and Scope 135
7.2 Distribution of Oceans and Major Ocean Basins 137
7.3 Relief Features of the Ocean Floor 139
7.4 Physical and Chemical Properties of Seawater 141
7.5 Ocean Waves, Tides and Coastal Water Movement 144
7.6 Ocean Currents: Origin, Types and Global Distribution 146
7.7 Ocean Circulation, Climate and Marine Ecosystems 148
7.8 Marine Resources and Their Economic Importance 150
7.9 Marine Pollution, Ocean Warming and Sustainable Ocean Management 152
CHAPTER 8: HYDROLOGY: WATER CYCLE, RIVERS AND GROUNDWATER 157
8.1 Introduction to Hydrology: Meaning, Nature and Scope 157
8.2 Distribution of Water on Earth and the Hydrological Cycle 159
8.3 Precipitation, Interception, Infiltration and Runoff 162
8.4 Drainage Basins, Drainage Patterns and River Systems 164
8.5 Groundwater: Occurrence, Aquifers and Movement 166
8.6 Surface Water–Groundwater Interaction and Water Quality 169

8.7 Floods, Droughts and Hydrological Hazards 170

8.8 Watershed Management, Rainwater Harvesting and Sustainable Water Resources 173

CHAPTER 9: SOILS, NATURAL VEGETATION AND BIOGEOGRAPHICAL REGIONS 177

9.1 Introduction to Soil Geography, Natural Vegetation and Biogeography 177

9.2 Soil Formation: Factors and Processes 179

9.3 Soil Profile, Composition and Properties 181

9.4 Major Soil Types and Their Global Distribution 184

9.5 Natural Vegetation: Factors and Major Types 186

9.6 Biomes and Major Biogeographical Regions of the World 189

9.7 Biodiversity, Ecological Succession and Ecosystem Services 191

9.8 Soil Degradation, Deforestation and Desertification 193

9.9 Soil Conservation, Forest Management and Biodiversity Protection 195

CHAPTER 10: NATURAL HAZARDS, ENVIRONMENTAL CHANGE AND DISASTER MANAGEMENT 201

10.1 Introduction to Natural Hazards and Disasters 201

10.2 Classification and Geographical Distribution of Natural Hazards 204

10.3 Earthquakes, Volcanic Eruptions and Landslides 206

10.4 Floods, Droughts, Cyclones and Extreme Weather Hazards 209

10.5 Environmental Change and Its Relationship with Disaster Risk 211

10.6 Disaster Risk Assessment, Hazard Mapping and Vulnerability Analysis 213

10.7 Disaster Management Cycle: Prevention, Mitigation, Preparedness, Response and Recovery 216

10.8 Early Warning Systems, Technology and Community Preparedness 218

10.9 Disaster Management in India: Institutions, Policies and Sustainable Development.....221

Bibliography 226