



# University of Kashmir, Srinagar-6, J&K

NAAC Accredited Grade "A+"

P.G. Department of Geography & Regional Development  
(DST-FIST Sponsored and UGC-SAP Assisted Department)

## Syllabus of Entrance Test for MA/MSc. Geography -2020 & Onwards

### SECTION-I

04 Marks

1. The nature, objectives and relevance of Geography
2. Various Branches of Physical and Human Geography
3. Determinism & Possibilism,
4. Pragmatism, Radicalism, Positivism, Behaviouralism, Humanism and Quantitative approach
5. Dualism in Geography:- Regional / Systematic, Physical / Human, Historical / Contemporary
6. Races of the world- their physical and socio-economic characteristics
7. Major religious groups of the world
8. Early economic activities of mankind- (food gathering, hunting, fishing, and shifting cultivation)
9. Human adaptation to environment:- Eskimos, Bushman, Gujjars, Gonds

### SECTION-II

04 Marks

1. Realms of Earth: Lithosphere, Atmosphere, Hydrosphere & Biosphere
2. Structure of Earth's Interior- a. Seismological evidence; b. Zonation of Earth
3. Wegner's theory of Continental Drift
4. Seafloor Spreading,
5. Isostasy
6. Plate Tectonic Theory
7. Earth movements:- Orogenic and Epeirogenic
8. Concept of Cycle of Erosion by W.M. Davis

### SECTION-III

04 Marks

1. Origin, classification, types and characteristics of rocks
2. Earthquakes:- origin, types and measurement
3. Exogenetic and Endogenetic processes
4. Volcanoes:- origin, types, distribution and effects of volcanic activity
5. Weathering:- classification and types
6. Mass Movement:- factors and Type
7. Landforms associated with Fluvial, Glacial, Arid and Karst Cycles

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## SECTION-IV

04 Marks

1. Structure & role of the Atmosphere;
2. Insolation and Global Energy Budget
3. Vertical, horizontal and seasonal distribution of temperature
4. Atmospheric Pressure and winds, Vertical and Horizontal distribution of pressure
5. Winds: Planetary, Periodic and Local
6. Types of Precipitation, World patterns of rainfall:- regional and seasonal distribution
7. Tropical and Temperate Cyclones, Thunderstorms and Tornadoes

## SECTION-V

04 Marks

1. Surface configuration of the ocean floor- continental shelf, continental slope, abyssal plain, mid- oceanic ridges and oceanic trenches
2. Distribution of temperature and salinity of oceans and seas
3. Tides: Origin and types
4. Currents: Origin and types
5. Currents of the Atlantic, Pacific and Indian Oceans
6. Marine deposits; Oceans as Store-house of resources for the future
7. Coral reefs and Atolls: Origin ,types and significance

## SECTION-VI

04 Marks

1. World distribution of population, its Structure and Composition
2. Factors affecting population distribution and growth; Physical, Socio-Economic, and Demographic
3. Concept of overpopulation, under population, optimum population and zero population growth
4. Malthus's theory of population growth
5. Demographic Transition Theory

## SECTION-VII

04 Marks

1. Geography as the study of Environment
2. Definition, Scope and significance of Ecology
3. Concepts and broad types of eco-system
4. Ecological imbalances: causes and consequences
5. Biodiversity: Its importance, threats and consequences
6. Classification and types of resources and methods of conservation

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## SECTION-VIII

04 Marks

1. India:- Relief and Physical divisions
2. Drainage systems;- Himalayan and Peninsular India
3. Climate:- General climatic conditions and seasonal variations
4. Characteristic features of Indian Monsoons
5. Classical and modern theory of Indian Monsoon
6. Soil:- Types and Distribution in India

## SECTION-IX

04 Marks

1. Indian Agriculture and its characteristics
2. Distribution and Production of Rice and Wheat in India
3. Green Revolution:- Achievements and Problems
4. Industries:- Classification and factors of localization
5. Distribution and production of Iron ore, Coal and Petroleum in India
6. Cotton textiles and Fertilizer industries in India
7. Growth of iron and steel industry in India
8. Major industrial regions of India

## SECTION-X

04 Marks

1. Jammu & Kashmir:- Relief and Physical Divisions
2. Climate and Drainage system of J&K
3. Vegetation:- Types and distribution in J&K
4. Population distribution, density and growth in J&K
5. Sectoral composition of the Economy of J&K
6. Agriculture with special references to horticulture and saffron
7. Energy resources of J&K

## SECTION-XI

04 Marks

1. Meaning and definition of Disaster management
2. Hazard, Disaster, Vulnerability and Risk: Concept and definition
3. Disaster management Cycle
4. Geographical Hazards- Earthquake, Landslide, Tsunami
5. Hydro-meteorological hazards- Cyclones, Floods, Cloudburst and Drought
6. Man-made hazards- Chemical, Nuclear and Biological

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## SECTION-XII

04 Marks

1. Tourism: Types, forms and components
2. Butlers Theory of Tourism development
3. Concept of Carrying Capacity and Sustainable Tourism
4. National Tourism Policy
5. Problems and Prospects of Indian Tourism
6. Adventure tourism in J&K

## SECTION-XIII

04 Marks

1. Definition, Types and elements of maps
2. Mapping techniques:- Isopleth, Choropleth, Choroschematic and Chorochromatic
3. Types of Cartographic Symbols and their uses:- i. Points, ii. Lines, iii. Areas
4. Scales:- Definition, Classification, types and uses
5. Methods of showing relief features
6. Profiles:- Definition, types and uses
7. Map projections.
8. Digital cartography: Definition, Scope and Application

## SECTION-XIV

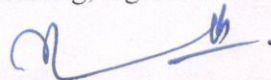
04 Marks

1. Basic principles of land surveying
2. Meaning and scope of chain and tape survey
3. Plain table survey:- definition, types, accessories, procedure and precautions
4. Study and Interpretation of Survey of India (SOI) topographic maps of a hilly and plain area in respect of:-  
(i) Relief, (ii) Drainage, (iii) Settlement, (iv) Communication Pattern
5. Remote sensing:- Definition, scope, types and applications
6. Definition & types of aerial photographs
7. Definition, scope & components of GPS

## SECTION-XV

04 Marks

1. Measures of Central Tendency:- Mean, Median, Mode and Partition values
2. Measures of Dispersion:- Mean deviation, Standard deviation
3. Coefficient of variation in data analysis
4. Correlation analysis:- Scatter diagram, Karl Pearson's method
5. Geomorphic and socio-economic field survey-Meaning, significance and procedure

  
**Prof. Shamim Ah. Shah**  
Head of the Department.

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