



The Indian Geographical Society
Department of Geography, University of Madras
CHENNAI – 600 005, INDIA
Established in 1926: Registration Number - 256/72

05.01.2019

President:

Mr. K. Devarajan

Vice Presidents:

Dr. B. Hema Malini

Dr. H.N. Misra

Dr. R.B. Singh

Dr. R. Vaidyanadhan

General Secretary:

Dr. R. Jaganathan

Joint Secretaries:

Dr. R. Bhavani

Dr. R. Shyamala

Dr. J. Uma

Mr. R. Jegankumar

Treasurer:

Dr. V. Madha Suresh

Council Members:

Dr. R. Valli

Dr. S.R. Nagarathinam

Dr. S. Balaselvakumar

Dr. P.H. Anand

Dr. G. Jagadeesan

Dr. N. Subramanian

Mr. C. Subramaniam

**Member Nominated
to the EC:**

Dr. S.R. Nagarathinam

Editor:

Dr. K. Kumaraswamy

To
The Head
Department of Geography

Sir,

Sub: Conduct of 9th Talent Test-Young Geographer-2019 for
Geography students – 23th January, 2019 - Reg.

The Indian Geographical Society is organising State wide **Ninth Talent Test for Young Geographer-2019** for final year UG and PG students of the Geography Departments in Tamil Nadu on **Wednesday, the 23th January, 2019**. The Executive Committee of the Society has identified the following coordinators to organise this event successfully with the support of Principals of the respective colleges and HODs of Geography Departments.

Regional Coordinators

1. Dr. G. Bhaskaran (Chennai Region)

Assistant Professor, Department of Geography

University of Madras, Chennai – 600 005

Mobile: 94444 14688 **e-mail:** grbhaskaran@gmail.com

2. Dr. R. Jegankumar (Central and Western Tamil Nadu)

Head, Department of Geography

Bharathidasan University, Tiruchirappalli – 620 024

Mobile: 98947 48564 **e-mail:** jegankumar@bdu.ac.in

3. Dr. K. Balasubramani (Eastern Tamil Nadu)

Assistant Professor, Department of Geography

Central University of Tamil Nadu, Thiruvavur – 610 005

Mobile: 99440 60319 **e-mail:** geobalas@gmail.com

I hereby request the HOD of the Geography Departments to contact the coordinator/regional coordinators and conduct the Talent Test successfully.

Yours sincerely,

Dr. K. Kumaraswamy
(Talent Test Coordinator)
UGC-BSR Faculty Fellow, Department of Geography
Bharathidasan University, Tiruchirappalli – 620 024
Mobile: 94421 57347 **e-mail:** kkumargeo@gmail.com

Copy to: The Principal/The Registrar



The Indian Geographical Society
Department of Geography, University of Madras
CHENNAI – 600 005, INDIA
Established in 1926: Registration Number - 256/72

9th Talent Test-Young Geographer-2019

General Information

1. Talent Test **will be conducted in English language only for PG students and in English and Tamil for UG students** for 1.30 hours consisting of 100 questions each, without any choice.
2. Syllabi for UG and PG talent tests are provided in Annexure I & II.
3. Final year UG and PG students of Geography are eligible for Talent Test.
4. The students should enroll their names with the concerned Head of the Geography Department *on or before 21th January, 2019.*
5. The Co-coordinators may contact the HODs of nearby Geography Departments and send the representatives for conducting the Talent Test.
6. The Head of the Geography Departments would collect the registration fee from the students of their Department and inform the Coordinator/Co-coordinator accordingly.
7. Talent Test is scheduled on **23th January, 2019 (Wednesday) between 11.00 a.m. and 12.30 p.m.**
8. Registration fee for *UG Students Rs.50/-* and for *PG Students Rs.75/-*. Only Cash should be collected from the interested candidates.

Details of Awards and Prizes

Prize	Award and Prize Amount	
	UG	PG
I	The IGS Founder Prof. N. Subrahmanyam Award Rs. 5,000/-	Prof. A. Ramesh Award Rs. 7,000/-
II	Rs. 3,000/-	Rs. 5,000/-
III	Rs. 2,000/-	Rs. 3,000/-

Prizes will be awarded during IGS Annual General Body Meeting. All other participants will be given Certificate of Participation. Please visit IGS website for registration forms and further information: <http://www.igschennai.org/>

Dates to Remember

- Last Date for the Enrolment** : **21-01-2019 (Monday)**
Date of the Talent Test : **23-01-2019 (Wednesday)**



Registration for 9th Talent Test-Young Geographer (UG) – 2019

THE IGS FOUNDER PROF. N. SUBRAHMANYAM AWARD

Name and Address of the Department: _____

Registration Fee: Rs.50/- per candidate

Sl. No.	Name of the Student	College Registration Number	Date of Birth	Signature of the Student

Signature of the HOD



Registration for 9th Talent Test-Young Geographer (PG) – 2019

PROF. A. RAMESH AWARD

Name and Address of the Department: _____

Registration Fee: Rs.75/- per candidate

Sl. No.	Name of the Student	College Registration Number	Date of Birth	Signature of the Student

Signature of the HOD



The Indian Geographical Society
Department of Geography, University of Madras
CHENNAI – 600 005, INDIA
Established in 1926: Registration Number - 256/72

9th Talent Test-Young Geographer-2019

Syllabus for Under Graduate Students

Geomorphology: Fundamental concepts; Factors controlling landform development; Endogenetic and Exogenetic forces; Continental drift and plate tectonics - Denudation process: weathering, mass movement and erosion - Landforms associated with fluvial, glacial, arid, coastal and karst.

Climatology: Composition and structure of the atmosphere; Insolation; Heat budget of the earth; Distribution of temperature, atmospheric pressure and general circulation of winds; Monsoons and jet streams; Air-masses; Fronts, temperate and tropical cyclones; Types and distribution of precipitation; Classification of world climates; Koppen's and Thornthwaite's schemes; Global warming.

Oceanography: Bottom relief of Indian, Atlantic and Pacific Oceans; Ocean deposits; Coral reefs; Temperature and salinity of the Oceans; Density of sea water; Tides and ocean currents; Sea-level changes.

Settlement Geography: Site, situation, types, size, rural and urban settlements; Settlement systems.

Economic Geography: Sectors of Economy: primary, secondary, tertiary and quaternary; Natural resources -Renewable and non-renewable; Conservation of resources; Classification of industries; Modes of transportation.

Geography of India: Physiographic divisions; Climate : Its regional variations; Vegetation types and vegetation regions; Major soil types; Coastal and Marine resources; Water resources; Irrigation; Agriculture; Agro-climatic regions; Mineral and power resources; Major industries and industrial regions; Population distribution and growth; Settlement patterns.

Cartography: Types of maps – Projections – Scale; Types - General purpose and Thematic maps; Choropleth, Isopleth and Chorochromatic maps and pie diagrams; Accessibility and flow maps; Remote sensing - Geographic Information System (GIS) - Global Positioning System (GPS).

Statistical Methods: Data sources and types of data; Statistical diagrams; study of frequency distribution and cumulative frequency; Measures of central tendency; Selection of class intervals for mapping; Measures of dispersion; Standard deviation.



The Indian Geographical Society
Department of Geography, University of Madras
CHENNAI – 600 005, INDIA
Established in 1926: Registration Number - 256/72

9th Talent Test-Young Geographer-2019

Syllabus for Post Graduate Students

Geomorphology: Fundamental concepts; Factors controlling landform development; Endogenetic and Exogenetic forces; Denudation process: weathering, mass movements and erosion, Geosynclines, mountain building, continental drift and plate tectonics; Concept of Geomorphic Cycle; Landforms associated with fluvial, glacial, arid, coastal and karst cycles, Slope forms and processes; Environmental and Applied Geomorphology.

Climatology: Composition and structure of the atmosphere; Insolation; Heat budget of the earth; Distribution of temperature, atmospheric pressure and general circulation of winds; Monsoons and jet streams; Stability and instability of the atmosphere; Air-masses; Fronts, temperate and tropical cyclones; Types and distribution of precipitation; Classification of world climates; Koppen's and Thornthwaite's schemes; Hydrological Cycle; Global warming.

Oceanography: Origin of ocean basins; Bottom relief of Indian, Atlantic and Pacific Oceans; Ocean deposits; Coral reefs; Temperature and salinity of the Oceans; Density of sea water; Tides and ocean currents; Sea-level changes.

Bio-Geography: Physical factors influencing world distribution of plants and animals; Forms and functions of ecosystem: Forest, grassland, marine and mountain ecosystem; Bio-diversity and its depletion through natural and man induced causes; Conservation and management of ecosystems; Environmental hazards and problems of pollution; Ozone depletion.

Geographic Thought : General character of Geographic knowledge during the ancient and medieval period; Foundations of Modern Geography: Contribution of German, French, British and American schools; Conceptual and methodological developments during the 20th century; Changing paradigms; Man and Environment, determinism and possibilism, areal differentiation and spatial organisation; Quantitative revolution; Impact of positivism, humanism, radicalism and behaviouralism in Geography.

Population Geography: Nature, scope, subject matter and recent trends; Patterns of world distribution, growth and density of population; Policy issues; Patterns and processes of migration; Demographic transition; Population-resource regions.

Settlement Geography: Site, situation, types, size, spacing and internal morphology of rural and urban settlements; Ecological processes of urban growth; Urban fringe; City region; Settlement systems; Primate city; Rank-Size rule; Settlement hierarchy; Christaller's Central Place theory; August Losch's theory of market centres.

Economic Geography: Location of economic activities and spatial organization of economies; Classification of economies; Sectors of Economy: primary, secondary, tertiary and quaternary; Natural resources -.Renewable and non-renewable; Conservation of resources.

Agricultural Geography: Concept and techniques of delimitation of agricultural regions; Measurement of agricultural productivity and efficiency; Crop combinations and diversification; Von Thunen's Model; Agricultural systems of the world.

Industrial Geography: Classification of industries: Weber's and Losch's approaches; Resource based and footloose industries.

Geography of Transport and Trade: Modes of transportation and transport cost; Accessibility and connectivity: Inter-regional and Intra-regional: Comparative cost advantages.

Political Geography: Definition and scope of Political Geography; Geopolitics; Global strategic views (Heartland and Rimland theories);-Concept of nation, state and Nation-State; Boundaries and frontiers; Politics of world resources; Geography and Federalism.

Social Geography: Nature and scope of social geography; Social structure and social processes; Elements of Social Geography:- ethnicity, tribe, dialect, language, caste and religion; Concept of Social well-being.

Cultural Geography: Nature and scope of Cultural Geography; Environment and culture; Concept of culture-areas and cultural regions; Theories of tribal groups; Dwelling places as cultural expressions.

Regional Planning: Regional concept in Geography; its application to planning; Concept of planning region; Regional hierarchy; Types of regions and methods of regional delineation; Conceptual and theoretical framework of regional planning; Regional planning in India: Concept of development; Indicators of development; Regional imbalances.

Geography of India: Physiographic divisions; Climate : Its regional variations; Vegetation types and vegetation regions; Major soil types; Coastal and Marine resources; Water resources; Irrigation; Agriculture; Agro-climatic regions; Mineral and power resources; Major industries and industrial regions; Population distribution and growth; Settlement patterns; Regional disparities in social and economic development.

Cartography: Map as a tool in Geographical studies ; Types of maps: Techniques for the study of spatial patterns of distribution; Single purpose and composite maps; Choropleth, Isopleth and Chorochromatic maps and pie diagrams; Mapping of location specific data; Accessibility and flow maps.Remote sensing and computer application in mapping; Digital mapping; Geographic Information System (GIS) Global Positioning System (GPS): Thematic maps.

Statistical Methods: Data sources and types of data; Statistical diagrams; study of frequency distribution and cumulative frequency;. Measures of central tendency; Selection of class intervals for mapping; Measures of dispersion and concentration; Standard deviation; Lorenz curve; Methods of measuring association among different attributes; Simple and multiple correlation; Regressio;. Measurement of spatial patterns of distribution; Nearest-neighbour analysis; Scaling techniques, rank score, weighted score; Sampling techniques for geographical analysis.

Name of the Universities and Colleges which are likely to participate the 9th IGS Talent Test Examination (for final year UG and PG students) to be conducted on 23/ 01/ 2019	
Participating Departments	
1.	Department of Geography, University of Madras, Chepauk, Chennai – 600 005.
2.	Department of Geography, Madurai Kamaraj University, Madurai - 625 021.
3.	Department of Geography, Bharathidasan University, Tiruchirappalli - 620 024.
4.	Department of Geography, Central University of Tamil Nadu, Thiruvarur – 610 005
5.	Department of Environmental Remote Sensing and Cartography, Madurai Kamaraj University, Madurai - 625 021
6.	Department of Geography, Presidency College (Autonomous), Chennai – 600 005.
7.	Department of Geography, Queen Mary’s College (Autonomous), Chennai - 600 004.
8.	Department of Geography, Bharathi Women’s College (Autonomous), 85, Prakasam Salai, Chennai - 600 108.
9.	Department of Geography, Tourism and Travel Management, Madras Christian College (Autonomous), Tambaram, Chennai - 600 059.
10.	Department of Geography / Geography, Tourism and Travel Management, Ethiraj College for Women (Autonomous), Egmore, Chennai, 600008.
11.	Department of Geography, Government Arts College (Autonomous), Salem – 636 007.
12.	Department of Geography, Sri Vijay Vidyalaya College of Arts and Science, Nallampalli, Dharmapuri – 636 807.
13.	Department of Geography, Arignar Anna Government Arts College, Namakkal – 637 002.
14.	Department of Geography, Government Arts College (Autonomous), Coimbatore - 641 018.
15.	Department of Geography, Nirmala College for Women (Autonomous), Coimbatore – 641 018.
16.	Department of Geography, Bharathiar University Arts & Science College, Amaikulam, Puliam Parai (P.O.), Gudalur - 643 212.
17.	Department of Geography, Government Arts College (Autonomous), Karur – 639 005.
18.	Department of Geography, Periyar E.V.R. College (Autonomous), Tiruchirappalli – 620 023.
19.	Department of Geography, Government Arts College, Thiruverumbur, Tiruchirappalli – 620 022.
20.	Department of Geography, Kundavai Nachiar Government Arts College for Women (Autonomous), Thanjavur - 613 007.
21.	Department of Geography, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur - 613 503.
22.	Department of Geography, Government Arts College (Autonomous), Kumbakonam - 612 002.
23.	Department of Geography, Government Arts College for Women (Autonomous), Kumbakonam - 612 002.
24.	Department of Geography, Sri Meenakshi Government Arts College for Women (Autonomous), Madurai – 624 002.
25.	Department of Geography, MVM Government Arts College for Women, Dindigul - 624 008.
26.	Department of Geography, Government Arts College for Women, Nilakottai, Dindigul - 624 208.
27.	Department of Geography, PSA College of Arts and Science for Women, Sollaikottai, Naickanahalli, Dharmapuri - 636704.