

**DEPARTMENT OF GEOGRAPHY**  
**School of Earth and Atmospheric Sciences**  
**University of Madras**  
**Guindy, Chennai-600025**

**Entrance Test for M.Sc. Applied Geography - July, 2024**

1	Date of Entrance Test	16 <sup>th</sup> July, 2024 (Tuesday)
2	Certificate Verification	8.30 A.M – 9.30 A.M
3	Time of Entrance Test	10.30 A.M – 12.30 P.M
4	Venue of Entrance Test	Department of Geography University of Madras Multistory Building(7 <sup>th</sup> Floor) Guindy Campus, Chennai - 600 025
5	Criteria of marks for selection	A. Qualifying examination marks : 50% B. Entrance Examination marks : 50% C. Totalmarks :100

**M.Sc. Applied Geography**  
**(Syllabus)**

**1. GEOGRAPHICAL THOUGHT**

Modern schools of geography- British, French, German, American and Indian schools of thought.- traditions in Geography.

**2. PHYSICAL GEOGRAPHY**

Earth's physical environment- Atmosphere- Isolation and Temperature- Atmospheric Pressure and Wind- Isolation and- Climatic Zones and Types- Cycles and Patterns in the Biosphere- Soils- landforms and Processes- Fluvial Process- Topography of Arid Lands- Karst Topography- Coastal Processes and Terrain- Glacial Modification of Terrain- Ocean relief, temperature and salinity distribution- ocean currents- Coral Reefs-El Nino and La Nino.

**3. POPULATION AND SETTLEMENT GEOGRAPHY**

Population Geography and its significance – developments of population studies in India- migrations – causes and consequences of migration-growth of world population – birth and death rates population explosion – rural settlement, rural settlement types and pattern – houses and house types –Urban Settlement- classification according to size and functions.

**4. GEOGRAPHY OF INDIA**

PhysiographyandRegionalDivisions–GeologicalFoundations–Geology–Climate–DrainageResources – Vegetation–Soils–PopulationofIndia–LanguagesandReligionandtheirConsequences-Settlement typesandCharacteristicsinIndia–LandUse–AgricultureandAgriculturalRegions-RuralDevelopment – Industries – Regional Disparities – Trade – Science andTechnology.

**5. CARTOGRAPHY AND GEOINFORMATICS**

Development of cartography- Spatial data and Map projections- types of maps – mapping techniques - Map scale-latitude and longitude, time and distance- map design and symbolisation- map elements – relief,climaticandeconomicalmaps-mapreproductionand reproductionprocess-aerialphotographs- satellite remote sensing - GIS - GPS and applications- Basic Quantitative techniques.

## **PATTERN OF MODEL QUESTION PAPER**

**Department of Geography, School of Earth and Atmospheric Sciences**

**University of Madras, Guindy, Chennai-600025**

**Admission - Post Graduate Degree Course – July, 2024**

**Entrance Test for M.Sc Applied Geography**

**Time : 2 Hours**

**Maximum Marks : 100**

### **INSTRUCTIONS**

1. Keep the Question Book upside down until instruction is given to open the book. It has to be kept as it is.
2. Defects in the Question Book like missing page, printing mistakes etc., should be brought to the attention within five minutes after opening the book. Therefore a careful inspection has to be made for such defects.
3. Enter on the Response Answer Sheet, your Hall Ticket Number in the space provided. Double check to see that the number is entered correctly.
4. Checking has to be made about Community and Percentage of marks obtained in the qualifying examination.
5. After the test the Question book and Response Answer sheet should be handed over before leaving the seat.
6. No marking will be made on the question paper and all answers should be provided in the response answer sheet.
7. From four alternative answers (A) (B) (C) (D) for each of the multiple-choice questions the correct answer has to be circled appropriately.
8. Even if the test has been completed within the available time, please remain in the seat till the announcement is made for optionally leaving the hall.
9. Use only pens or ball pens or felt pens with Blue or Black ink and avoid fancy color inks.

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### **MULTIPLE CHOICE QUESTIONS (100 x 1 = 100)**

**Answer all questions, Mark the answers in the response sheet**

1. Which one of the following is not correctly matched?
    - a) Gassi - Desert
    - b) Crag and tail - Glacier
    - c) Plungepool - River
    - d) Tombolo - Karst
  2. A Peneplain is formed due to
    - a) Glacial erosion
    - b) Alluvial deposition
    - c) Fluvio-glacial deposition
    - d) River erosion and deposition
  3. Incised meanders occur in
    - a) Riverine areas
    - b) Karst areas
    - c) Dry areas
    - d) Glaciated regions
  4. Kathiawar Peninsula is an example of
    - a) Emerged shoreline
    - b) Submerged shoreline
    - c) Ria shoreline
    - d) Dalmatian Shoreline
100. What is an example of the interruption of the cycle of erosion
- a. Stage of youth
  - b. Stage of maturity
  - c. Stage of Old
  - d. Rejuvenation