OFFICIAL INFORMATION PROSPECTUS

EDITION 2027 • Class 9 & Class 10

# MISSION GEOGRAPHY

# TALENT HUNT 2027

**ONE NATIONAL COMPETITION • ONE NATIONAL RANKING**




## India's Premier 100% Online Open-Book National Geography Olympiad for Class 9 & Class 10 Students

Organized by **Mission Geography** (An Academic Unit of DDL Group)

| ELIGIBILITY | EXAM FORMAT | LANGUAGES | ENTRY FEE |
|---|---|---|---|
| **Classes 9 & 10** | **100 MCQs 120 Minutes** | **English हिन्दी · বাংলা** | **₹149 Only** |
| Combined National Pool · All School Boards | 100% Online Open-Book · No Admit Card | Read in any language, switch anytime | All-inclusive · UPI / Card / Netbanking |

REGISTER NOW ›

missiongeography.com/registration
missiongeography@ddlg.in

**"ONE NATIONAL COMPETITION • ONE NATIONAL RANKING • A PLATFORM FOR GEOGRAPHICAL EXCELLENCE."**

## COMPETITION MOTTO & FINAL EXAM INTIMATION NOTICE

This 100% online competition runs over a flexible **17-day exam window (15 – 31 October 2027)** — choose any 1 date during registration; change freely in your Student Portal up to 14 October 2027 before starting the test. Set your portal password during registration to log in anytime at **https://missiongeography.com/login** — on your chosen exam date, the Final Exam tab opens automatically inside your portal. **No admit card is needed:** 10-day Final Exam Intimation reminders & official updates also arrive via Email, WhatsApp, and Student Portal.

## Key 2027 Schedule Snapshot (IST — Indian Standard Time)

| MILESTONE | OFFICIAL DATE & WINDOW | SIMPLE STUDENT NOTE |
|---|---|---|
| **Official Announcement** | **11 November 2026** | Syllabus, Rules & Sample Paper Published |
| **Registration Opens** | **1 December 2026** (12:00 AM IST) | Apply at missiongeography.com/registration with passport photo & ₹149 fee |
| **Final Exam Intimation** | **From 5 October 2027** (10 Days Prior) | Reminders sent 10 days before chosen date via Email, WhatsApp & Portal |
| **Registration Closes** | **10 October 2027** (11:59 PM IST) | Last day to apply & pay ₹149 (date changes open until 14 Oct 2027) |
| **National Exam Window** | **15 – 31 October 2027** (Any 1 Day) | Final Exam tab auto-opens on chosen date; locked once started or after 14 Oct |
| **Final Results & Ranks** | **7 November 2027** | ₹30,000+ Prize Pool: 1 gm Gold, 20 gm & 10 gm Silver, Ranks 4–20 & QR Certificates |

## Prospectus Directory — Inside This Document


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# 01 ABOUT MISSION GEOGRAPHY & TALENT HUNT 2027

Welcome, Who Can Participate & Why This Competition Is Special

**Mission Geography** is a national learning platform for students across India and an academic unit of **DDL Group (Digital Design Leadership Group — ddlg.in)**. Our goal is to help students enjoy Geography through clear thinking, map reading, and understanding real-world nature instead of just memorizing textbook lines.

**Mission Geography Talent Hunt 2027** is an All-India 100% online open-book Geography competition for school students. During this exam, you can keep your school textbooks and atlases open beside you, because the questions test how well you understand ideas, read maps, and solve problems.

## 1.1 Who Can Join?

- **Eligible Classes:** Any student currently studying in Class 9 or Class 10 anywhere in India.
- **All School Boards Accepted:** Students from CBSE, ICSE / CISCE, all State Boards (including West Bengal Board and others), Cambridge (IGCSE), IB, or any recognized school board can apply.
- **One Combined National Ranking:** Both Class 9 and Class 10 students answer the same 100-question test and share one single All-India Rank list.
- **Three Languages, Flexible Exam Dates & Anytime Portal Login:** Choose English, Hindi (हिन्दी), or Bengali (বাংলা) AND pick any preferred exam date between 15 and 31 October 2027 while registering. Log in anytime at missiongeography.com/login using the password you create at registration — the Final Exam tab opens automatically on your chosen date. No admit card is required, and Final Exam Intimation reminders

arrive 10 days prior (from 5 October 2027) via Email, WhatsApp, and your Student Portal.

## 1.2 What Makes Talent Hunt 2027 Student-Friendly?

| KEY FEATURE | HOW IT HELPS STUDENTS |
|---|---|
| **Open-Book Format** | You are allowed to keep your school Geography books, atlases, and study notes beside you while solving the paper. |
| **Real Understanding** | Questions focus on map directions, weather charts, landforms, and Indian geography — not memorizing boring lists. |
| **Take Exam From Home** | Appear safely from home on any chosen date between 15 & 31 October 2027 (changeable up to 14 Oct 2027 before starting) in English, हिन्दी, or বাংলা. |
| **Anytime Login & No Admit Card** | Log in anytime with your registration password; your Final Exam tab opens automatically on your chosen date. Helpful 10-day Final Exam Intimation reminders arrive via Email, WhatsApp & Portal. |

# 02 IMPORTANT DATES & FINAL EXAM INTIMATION SCHEDULE

Keep These 2027 Dates Ready (All Times in Indian Standard Time — IST)

| STEP | IMPORTANT DATE / MILESTONE | DATE & TIME (IST) | WHAT HAPPENS |
|---|---|---|---|
| 1 | **Official Announcement** | **11 November 2026** | Full prospectus, Class 9 & 10 syllabus, rules, and 10 sample questions released. |
| 2 | **Registration Opens** | **1 December 2026** (12:00 AM IST) | Online registration opens at missiongeography.com/registration with mandatory passport photo upload, parent consent, ₹149 fee, and Email + WhatsApp confirmation. |
| 3 | **Final Exam Intimation** | **From 5 October 2027** (10 Days Before Chosen Date) | No admit card needed! Helpful Final Exam Intimation reminders arrive 10 days before your chosen exam date via Email, WhatsApp, and inside your Student Portal. |
| 4 | **Registration Closes** | **10 October 2027** (11:59 PM IST) | Final deadline to apply and pay ₹149. Registered candidates can still change their chosen exam date in the Student Portal up to 14 October 2027. |

| | | | |
|---|---|---|---|
| 5 | **National Exam Window** (Change cutoff: 14 Oct 2027) | **15 – 31 October 2027** (120 Mins on Chosen Date) | Choose any 1 day (15–31 Oct 2027) at registration; log in anytime at missiongeography.com/login and open the Final Exam tab on your chosen date (auto-activates). **Important: Once started, closing the exam will NOT unlock another date.** |
| 6 | **Final Results & Prizes** | **7 November 2027** | All-India ranks & ₹30,000+ prizes (1st: 1 gm Gold, 2nd: 20 gm Silver, 3rd: 10 gm Silver or equivalent cash; Ranks 4–20 Special Prize; Physical Medals & Certificates sent by courier) plus digital QR certificates. **Winners (especially the Top 3) need further verification; prize ceremony, if possible, and prize-giving details are announced after the result.** |

**REMEMBER THESE THREE DATES**

**10 October 2027** — Registration closes (11:59 PM IST)

**14 October 2027** — Last day to change your exam date in the portal

**15 – 31 October 2027** — Your 120-minute National Exam on any 1 chosen day

# 03 HOW TO REGISTER, PARENT PERMISSION & ₹149 FEE DETAILS

Simple Step-by-Step Sign-Up Guide for Students and Parents

**IMPORTANT PORTAL WEBSITE LINKS**

**Register Here:** https://missiongeography.com/registration (Student Sign-Up & ₹149 Fee Payment)

**Student Login:** https://missiongeography.com/login (Check Dashboard, Final Exam Intimation, Take Exam & Get Result)

**Registration Fee:** ₹149.00 INR total per student (no extra gateway fees or hidden charges)

## 3.1 Easy 6-Step Registration Guide

1. **Open the Registration Page:** Go to https://missiongeography.com/registration from any mobile phone, tablet, or computer browser.

2. **Fill in Your Basic Details:** Type your Full Name, Date of Birth, Gender, Class (Class 9 or Class 10), School Board, School Name, State, District, City, and 10-digit Mobile Number (plus Email if you have one), and upload your recent colour Passport-Size Photograph (mandatory JPG/PNG).

3. **Choose Exam Date, Language & Parent Details:** Pick any 1 exam date inside the 15–31 October 2027 window and choose English, Hindi (हिंदी), or Bengali (বাংলা). Add your Parent/Guardian's name, relationship, 10-digit WhatsApp/Mobile number, and Email for exam updates and receipts.

4. **Parent / Guardian Consent (No Aadhaar Required):** Under India's Digital Personal Data Protection (DPDP) Act, your parent or guardian gives quick online consent after reading the rules. We never ask for your Aadhaar number.

5 **Set Your Portal Password (Log In Anytime):** Choose an easy-to-remember password (at least 6 characters). Immediately after registering, you can log in anytime at https://missiongeography.com/login to view your status, update your chosen exam date, or open the Final Exam tab.

6 **Pay ₹149 Fee & Receive Instant Email + WhatsApp Confirmation:** Pay safely via UPI, Cards, or Netbanking for instant confirmation, triggering both Confirmation Email and Confirmation WhatsApp (to student & guardian numbers). If payment fails or stays pending, your entry stays safely in the Waiting List (Email alert sent; no WhatsApp until confirmed) — simply log in or submit your registered mobile number to click 'Pay Now (₹149)'. Adjust your chosen exam date in the Student Portal anytime up to 14 October 2027 (before starting), and receive 10-day Final Exam Intimation reminders & official update announcements via Email, WhatsApp, and Portal.

## 3.2 Fee Summary & Refund Rules

| TOPIC | CLEAR STUDENT POLICY |
|---|---|
| **Total Registration Fee** | **₹149.00 INR** per student (covers Registration, Practice Quizzes, Online Exam & QR Certificate). |
| **Organized By** | Mission Geography — Academic Unit of DDL Group (Digital Design Leadership Group). |
| **Safe Payment Options** | Cashfree & Razorpay (supports GPay, PhonePe, Paytm UPI, Cards, and Netbanking with full bank-grade security). |
| **Refund Policy** | Once registration is confirmed and student portal access is created, fees are non-refundable. |
| **Double Payment Safety** | If network error deducts the ₹149 fee twice by mistake, the extra amount is refunded 100% within 5 to 7 working bank days. |

| | |
|---|---|
| **Exam Date Protection** | Choose any 1 date in 15–31 October 2027 and change up to 14 October 2027 (before starting exam). If Mission Geography ever reschedules, seats transfer at zero extra fee. |

# 04 COMPLETE SYLLABUS FOR CLASSES 9 & 10

What Topics to Prepare Across All 7 Geography Sections

## 1 Physical Geography

20 Questions | 20 Marks

- **Lithosphere & Earth's Interior:** Crust, mantle, outer core, inner core; seismic wave propagation (P & S waves), shadow zones, discontinuities (Moho, Gutenberg, Lehmann).
- **Geodynamics & Plate Tectonics:** Continental drift, seafloor spreading, paleomagnetism, convergent, divergent, and transform boundaries, subduction zones, orogeny.
- **Volcanism & Plutonic Forms:** Batholiths, laccoliths, lopoliths, dykes, sills, shield vs composite volcanoes.
- **Geomorphic Processes:** Weathering, mass movement (creep, landslides), river landforms (meanders, ox-bow lakes, deltas), glacial landforms (cirques, hanging valleys, fjords), aeolian landforms (barchans, yardangs), coastal platforms, and karst topography.

## 2 Indian Geography

20 Questions | 20 Marks

- **Physiographic Divisions:** Northern Himalayas, Great Indo-Gangetic Plains (Bhabar, Terai, Bhangar, Khadar), Peninsular Plateau (Deccan, Malwa, Chota Nagpur), Coastal Plains, Island Groups.
- **Drainage Systems:** Himalayan antecedent rivers (Indus, Ganga, Brahmaputra) vs Peninsular rivers (Narmada, Tapti, Godavari, Krishna, Cauvery).
- **Indian Climate & Monsoons:** Mechanism of SW monsoon, ITCZ migration, Tibetan high, Tropical Easterly Jet, Somali jet, Western Disturbances, retreating Northeast monsoon over Coromandel coast, El Niño, and Indian Ocean Dipole (IOD).
- **Soils, Forests & Minerals:** Alluvial, Black (Regur/Vertisols), Red, Laterite soils; tropical evergreen, deciduous, mangrove forests; Gondwana coal, Dharwar iron ore, bauxite, petroleum belts.

## 3 World Geography — 15 Questions | 15 Marks

- **Global Landforms & Hydrography:** Major fold mountain belts (Andes, Rockies, Alps, Himalayas, Urals), oceanic trenches (Mariana), major river systems (Amazon, Nile, Congo, Danube, Yangtze).
- **Strategic Maritime Choke Points:** Straits of Malacca, Hormuz, Gibraltar, Bab-el-Mandeb, Bosphorus, Suez Canal, Panama Canal.
- **Global Biomes:** Equatorial rainforests, savannas (Pampas, Prairies, Steppes), taiga/boreal, tundra, and hyper-arid deserts (Atacama, Namib, Sahara, Thar).

## 4 Map Interpretation & Toposheets — 15 Questions | 15 Marks

- **Survey of India Toposheets (1:50,000):** Representative Fraction (R.F.), scale conversions, 20 m vertical interval.
- **Contour Analysis:** Identifying hills, ridges, spurs, valleys, cols, saddles, cliffs, plateaus, and escarpments from contour configurations.
- **Cartographic Principles:** 4-figure and 6-figure grid references, calculating gradients (V.I. / H.E.), conventional signs and colors (yellow wash, green wash, red settlements, black watercourses).
- **Map Projections:** Cylindrical (Mercator), Conical, and Azimuthal planar projections; equal-area vs conformal preservation.

## 5 Climate and Environment — 10 Questions | 10 Marks

- **Atmospheric Dynamics:** Atmospheric layers, adiabatic lapse rates (DALR & SALR), temperature inversions, Coriolis deflection.
- **Classification & Change:** Köppen climate codes, tropical cyclones vs temperate frontal depressions, Milankovitch cycles, greenhouse warming, and ozone layer physics.

## 6 Geographical Data Interpretation

**10 Questions | 10 Marks**

- **Quantitative Cartography:** Interpreting climographs (temperature-precipitation plots), age-sex population pyramids, hypsographic curves, Choropleth shading, Lorenz inequality curves, dependency ratios, and GIS pixel resolutions.

## 7 Applied Geography and Reasoning

**10 Questions | 10 Marks**

- **Environmental Stewardship:** Urban Heat Island (UHI) mitigation, watershed management (check dams, contour trenching), coastal mangrove bio-shields, GLOF risks, soil salinization in canal regimes, remote sensing False Colour Composites (FCC), and ecosystem carrying capacity.

### BEST BOOKS & STUDY HELP FOR STUDENTS

📘 Your NCERT, ICSE, or State Board Geography Textbooks (Classes 6 to 10)

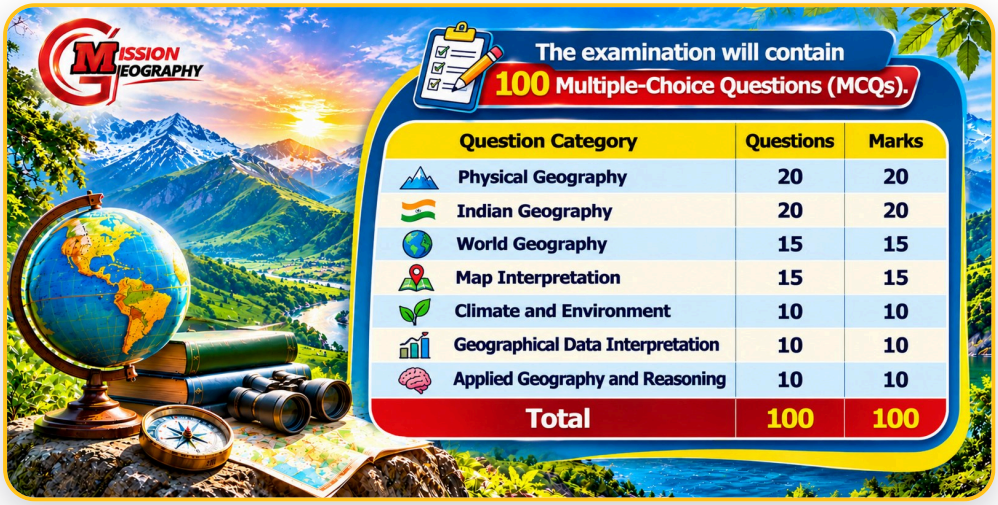
🗺️ Oxford or Orient BlackSwan School Atlas + Toposheet Practice Guide

💻 Free Practice Quizzes & Geography Notes on **https://missiongeography.com**

# 05 EXAMINATION PATTERN & MARKS DISTRIBUTION

100 Multiple Choice Questions • 100 Total Marks • 120 Minutes • +1.00 / -0.25 Marking

## 5.1 Subject-Wise Question & Marks Table




| # | QUESTION TOPIC | QUESTIONS | MARKS | SHARE |
|---|---|---|---|---|
| 1 | Physical Geography | 20 MCQs | 20 Marks | 20% |
| 2 | Indian Geography | 20 MCQs | 20 Marks | 20% |
| 3 | World Geography | 15 MCQs | 15 Marks | 15% |
| 4 | Map Interpretation & Toposheets | 15 MCQs | 15 Marks | 15% |
| 5 | Climate and Environment | 10 MCQs | 10 Marks | 10% |
| 6 | Geographical Data Interpretation | 10 MCQs | 10 Marks | 10% |
| 7 | Applied Geography and Reasoning | 10 MCQs | 10 Marks | 10% |
| — | GRAND TOTAL | 100 MCQs | 100 Marks | 100% |

## 5.2 Difficulty Mix & Negative Marking Rule

| LEVEL | SHARE | QUESTIONS | TYPE OF THINKING NEEDED |
|---|---|---|---|
| Moderate | 20% | 20 MCQs | Clear basic Geography facts, standard rules, and quick map/atlas lookup. |
| Difficult | 50% | 50 MCQs | Connecting ideas together, monsoon causes, map directions, and reading data tables. |
| Advanced | 30% | 30 MCQs | Deeper thinking and applying concepts to real-world situations. |

### HOW YOUR SCORE IS CALCULATED (WITH SIMPLE EXAMPLE)

✓ **Right Answer:** +1.00 Mark added | **Skipped Question:** 0.00 Marks (no gain, no loss)

× **Wrong Answer:** -0.25 Mark deducted (4 wrong answers deduct 1 full mark, so avoid wild guessing)

**Score Formula:** Final Score = Correct Answers - (Wrong Answers × 0.25) [Lowest possible score is 0.00]

**Easy Example:** Suppose you get 72 Right, 12 Wrong, and skip 16 questions → Final Score = 72 - (12 × 0.25) = 72 - 3.00 = **69.00 Marks**.

# 06 FINAL EXAM INTIMATION, HOW TO GIVE THE EXAM & OPEN-BOOK RULES

No Admit Card Needed — Final Intimation 10 Days Prior via Email, WhatsApp & Portal

## 6.1 Easy 5-Step Guide: From Intimation to Submitting Your Exam

1 **Log In Anytime & Receive Final Exam Intimation (10 Days Prior — No Admit Card Needed):** Use the portal password you set during registration to log in anytime at https://missiongeography.com/login. There is NO

physical admit card to download or print. Ten days before your chosen exam date (from 5 October 2027 onward), we also send your Final Examination Intimation checklist and official announcements via Email, WhatsApp, and inside your Student Portal.

2 **Open the Final Exam Tab on Your Chosen Date (15–31 October 2027) & Finish in One Sitting:** Sit in a quiet room with your phone, tablet, laptop, or desktop on your chosen exam date, keep your Geography textbooks and atlas nearby, log in at https://missiongeography.com/login, and click the 'Final Exam' tab — your 120-minute examination starts automatically on your chosen date. **Important: Once started, closing the exam will NOT pause the 120-minute timer and will NOT unlock another date.**

3 **Read Instructions & Tick Student Promise:** Read the quick exam screen briefing and tick the Student Promise confirming that you are in Class 9 or Class 10 and will solve the exam honestly without using AI tools or help from other people.

4 **Answer Questions & Switch Languages Anytime:** Questions appear in your chosen language (English, हिन्दी, or বাংলা). Clicking any option (A/B/C/D) saves your answer automatically right away. You can move between questions using 'Save & Next', 'Mark for Review & Next', or the 100-question side map.

5 **Submit Safely or Auto-Submit When Time Ends:** Click 'Submit Examination' when finished, or if the 120-minute timer reaches zero, our server automatically saves and submits all your marked answers.

## 6.2 What You CAN Use vs. What Is Strictly NOT Allowed

### ✓ ALLOWED OPEN-BOOK HELP

**School Textbooks:** NCERT, ICSE, State Board, Cambridge, or IB Geography books (Classes 6 to 12).

**School Atlases:** Oxford, Orient BlackSwan, Survey of India, or digital atlases.

**Own Notes:** Handwritten or printed study notes and formula sheets.

**Reference Sites:** General educational facts and map lookup references.

### × STRICTLY NOT ALLOWED

**AI Chatbots:** ChatGPT, Gemini, Claude, Copilot, or any AI / automated solver tool.

**Help From People:** Taking answers from parents, teachers, tutors, brothers, sisters, or friends.

**Chat or Phone Calls:** WhatsApp, Telegram, Discord, phone calls, SMS, or screen sharing.

**Group Cheating / Proxy:** Solving together in a group, sharing screenshots, or letting someone else take your test.

## 6.3 What If Your Internet Drops or Device Restarts?

- **One Login at a Time:** Your account works on only one browser at a time during the exam so no one else can log in.
- **Answers Stay Safe & Strict No-Retake Lock:** Every option you click saves immediately on our server. If internet drops, log back in during the same 120-minute session to resume. However, once an exam attempt starts, you cannot close it and request or switch to a later exam date.

# 07 RANKING SYSTEM, TIE-BREAKERS, MEDALS & CERTIFICATES

How All-India Ranks Are Calculated & What Awards Top Performers Receive

## 7.1 National Prizes (₹30,000+ Pool), Gold/Silver Rewards & Courier Certificates

**1st Rank Prize — All-India Rank 1**

1 gm Gold (or equivalent cash, as per convenience) + Physical Gold Medal & Physical Certificate delivered by courier + Hall of Fame listing.

**2nd Rank Prize — All-India Rank 2**

20 gm Silver (or equivalent cash, as per convenience) + Physical Silver Medal & Physical Certificate delivered by courier.

**3rd Rank Prize — All-India Rank 3**

10 gm Silver (or equivalent cash, as per convenience) + Physical Bronze Medal & Physical Certificate delivered by courier.

**Ranks 4 – 20 Prizes — All-India Ranks 4 to 20**

Special Prize (Accumulated Total Prize & Awards Pool: ₹30,000+) + Physical Merit Medal & Physical Certificate delivered by courier to all Top 20 winners.

## 7.2 Winner Verification & Prize Distribution

**⚠ IMPORTANT: WINNERS NEED FURTHER VERIFICATION**

All winners are subject to **further verification** before any prize is awarded. This applies **especially to the Top 3 Rankers (Rank 1, Rank 2 and Rank 3)**, whose results and details will be checked with extra care.

### 🏆 PRIZE CEREMONY & HOW PRIZES ARE GIVEN

A **Prize Ceremony may be organised if there is an opportunity** to do so.

Complete information about **how the prizes will be given** (ceremony, courier or other method) will be announced **after the results are declared** on 7 November 2027, through Email, WhatsApp and your Student Portal.

## 7.3 How Equal Scores (Ties) Are Settled Fairly

If two or more students finish with the exact same Final Score, the higher National Rank goes to the student who scores higher in these sections in order:

1. **Priority 1:** Higher score in **Map Interpretation** (15 Marks).
2. **Priority 2:** Higher score in **Applied Geography and Reasoning** (10 Marks).
3. **Priority 3:** Higher score in **Physical Geography** (20 Marks).
4. **Priority 4:** Higher score in **Geographical Data Interpretation** (10 Marks).
5. **Priority 5:** If still equal across all four subjects: Both students receive a **Joint Rank** (e.g., Rank 2, Rank 2, then Rank 4).

## 7.4 Score Grades & Official Digital Certificates

| FINAL SCORE RANGE | PERFORMANCE LEVEL | CERTIFICATE AWARDED |
|---|---|---|
| **90.00 – 100.00** | **Exceptional** | Excellence Certificate |
| **80.00 – 89.99** | **Outstanding** | Outstanding Performance Certificate |
| **70.00 – 79.99** | **Excellent** | Excellent Performance Certificate |
| **65.00 – 69.99** | **Very Good** | Merit Performance Certificate |

| | | |
|---|---|---|
| **50.00 – 64.99** | **Good** | Participation Certificate |
| **Below 50.00** | **Developing** | Participation Certificate |

### QR CODE VERIFICATION ON EVERY CERTIFICATE

**100% Genuine Certificates:** Every digital and printed certificate has a unique verification code and QR link that schools or parents can scan and verify anytime at **https://missiongeography.com/verify**

## 08 NEED HELP? OFFICIAL CONTACT & STUDENT SUPPORT

Reach Our Academic Support Team Anytime for Registration, Payment, or Exam Questions

**ORGANIZED BY**
**Mission Geography — Academic Unit of DDL Group (https://ddlg.in)**

**OFFICE ADDRESS**
**Labpur, Birbhum, West Bengal - 731303, India**

**STUDENT HELPLINE**
**+91 7551067843 / 03463 296702**

**SUPPORT EMAIL**
**missiongeography@ddlg.in**

**WEBSITE PORTALS**
**https://missiongeography.com | Register: /registration | Login: /login | Verify: /verify**

**SOCIAL PAGES**
**Facebook: https://www.facebook.com/missiongeo**
**YouTube: https://www.youtube.com/missiongeography**

## 8.2 Quick Student Checklist Before Exam Day

- **Registration & Payment Verified:** Log in anytime at https://missiongeography.com/login with your registration password to

see ‘Confirmed’ and ‘Paid (₹149)’ (or click ‘Pay Now (₹149)’ if still in the Waiting List).

- **Final Exam Intimation Check:** Check your Email, WhatsApp (confirmed candidates), and Student Portal for official update announcements and your 10-day Final Exam Intimation checklist.

- **Books & Atlas Ready:** Keep your school Geography books, atlas, clean rough sheets, and a pen ready beside your desk.

- **Device, Charge & Date Confirmation:** Keep your phone, tablet, or laptop fully charged with steady internet, and open the ‘Final Exam’ tab on your chosen exam date (auto-activates on that day; changes close on 14 October 2027 and cannot be changed once started).

- **Fair Self-Attempt Only:** Remember no AI tools, chat apps, or outside help may be used during the 120-minute exam.

SECTION 9 • OFFICIAL SAMPLE PAPER

# MISSION GEOGRAPHY TALENT HUNT 2027

SAMPLE QUESTION PAPER WITH ANSWERS • ONE NATIONAL COMPETITION • CLASSES 9 & 10

| Total Questions | Maximum Marks | Question Type | Languages |
|---|---|---|---|
| 10 | 10 | MCQs | EN \| हिन्दी \| বাংলা |

## EXAMINATION INSTRUCTIONS (SAMPLE PAPER)

1. Each question carries 1 mark. | 2. Each correct answer gets +1 mark. | 3. Each wrong answer deducts 0.25 marks.
4. Unanswered questions get 0 marks. | 5. Choose only one best option (A, B, C, or D) for each question.

## Section A — Questions (Questions 1 to 10)

**Q1** PHYSICAL GEOGRAPHY — Difficulty: Difficult

EN **A mountain station is located at an altitude of 2,000 metres. If the temperature at sea level is 28°C, approximately what would be the temperature at the station, assuming an average environmental lapse rate of 6.5°C per 1,000 metres?**

हिन्दी एक पर्वतीय स्टेशन समुद्र तल से 2,000 मीटर की ऊँचाई पर स्थित है। यदि समुद्र तल पर तापमान 28°C है, तो प्रति 1,000 मीटर पर 6.5°C की औसत तापमान गिरावट मानते हुए स्टेशन का अनुमानित तापमान कितना होगा?

বাংলা একটি পাহাড়ি স্টেশন সমুদ্রপৃষ্ঠ থেকে ২,০০০ মিটার উচ্চতায় অবস্থিত। সমুদ্রপৃষ্ঠে তাপমাত্রা ২৮°C হলে, প্রতি ১,০০০ মিটারে গড়ে ৬.৫°C তাপমাত্রা হ্রাস ধরে স্টেশনটির আনুমানিক তাপমাত্রা কত হবে?

A 11°C
B 15°C
C 18°C
D 21°C

## Q2 INDIAN GEOGRAPHY

Difficulty: Difficult

**EN** **Why are the western slopes of the Western Ghats generally wetter during the southwest monsoon than the eastern Deccan Plateau?**

**हिन्दी** दक्षिण-पश्चिम मानसून के दौरान पश्चिमी घाट की पश्चिमी ढलानों पर पूर्वी दक्कन के पठार की तुलना में सामान्यतः अधिक वर्षा क्यों होती है?

**বাংলা** দক্ষিণ-পশ্চিম মৌসুমি বায়ুর সময় পশ্চিমঘাটের পশ্চিম ঢালে পূর্ব দাক্ষিণাত্য মালভূমির তুলনায় সাধারণত বেশি বৃষ্টিপাত হয় কেন?

**A** **The western slopes receive more direct sunlight.**
पश्चिमी ढलानों पर अधिक सीधा सूर्यप्रकाश पड़ता है।
পশ্চিম ঢালে বেশি সরাসরি সূর্যালোক পড়ে।

**B** **Moist air rises along the western slopes and produces orographic rainfall.**
नम वायु पश्चिमी ढलान पर ऊपर उठकर पर्वतीय वर्षा करती है।
আর্দ্র বায়ু পশ্চিম ঢাল বরাবর উপরে উঠে শৈলোৎক্ষেপ বৃষ্টিপাত ঘটায়।

**C** **The eastern plateau is closer to the Arabian Sea.**
पूर्वी पठार अरब सागर के अधिक निकट है।
পূর্ব মালভূমি আরব সাগরের বেশি কাছে।

**D** **The western slopes have lower atmospheric pressure throughout the year.**
पश्चिमी ढलानों पर पूरे वर्ष वायुदाब कम रहता है।
পশ্চিম ঢালে সারা বছর বায়ুচাপ কম থাকে।

## Q3 WORLD GEOGRAPHY

Difficulty: Difficult

EN **A ship travelling along the west coast of South America encounters unusually cold coastal water. Which ocean current is most likely responsible?**

हिन्दी दक्षिण अमेरिका के पश्चिमी तट के पास यात्रा कर रहे एक जहाज को असामान्य रूप से ठंडा तटीय जल मिलता है। इसके लिए कौन-सी महासागरीय धारा सबसे अधिक जिम्मेदार है?

বাংলা দক্ষিণ আমেরিকার পশ্চিম উপকূল বরাবর চলার সময় একটি জাহাজ অস্বাভাবিক ঠান্ডা উপকূলীয় জলরাশির সম্মুখীন হলো। এর জন্য কোন মহাসাগরীয় স্রোত সবচেয়ে বেশি দায়ী?

**A** **Gulf Stream**
গल्फ स्ट्रीम
গালফ স্ট্রিম

**B** **Kuroshio Current**
कुरोशियो धारा
কুরোশিও স্রোত

**C** **Humboldt Current**
हम्बोल्ट धारा
হামবোল্ট স্রোত

**D** **Brazil Current**
ब्राज़ील धारा
ব্রাজিল স্রোত

## Q4 MAP INTERPRETATION

Difficulty: Difficult

EN **On a geographical map, Location A is at 20°N, 80°E and Location B is at 20°N, 85°E. Assuming both locations lie on the same latitude, in which direction is Location B from Location A?**

हिन्दी एक भौगोलिक मानचित्र पर स्थान A, 20°N, 80°E पर और स्थान B, 20°N, 85°E पर स्थित है। यदि दोनों स्थान एक ही अक्षांश पर हैं, तो स्थान B, स्थान A की किस दिशा में स्थित है?

বাংলা একটি ভৌগোলিক মানচিত্রে A স্থানের অবস্থান 20°N, 80°E এবং B স্থানের অবস্থান 20°N, 85°E। উভয় স্থান একই অক্ষাংশে অবস্থিত হলে, A-এর তুলনায় B কোন দিকে অবস্থিত?

**A** **West**
पश्चिम
পশ্চিম

**B** **East**
पूर्व
পূর্ব

**C** **North**
उत्तर
উত্তর

**D** **South**
दक्षिण
দক্ষিণ

## Q5 CLIMATE AND ENVIRONMENT

**Difficulty: Difficult**

**EN** **A forested hill is converted into agricultural land without proper soil conservation measures. Which combination of changes is most likely during heavy rainfall?**

**हिन्दी** एक वनाच्छादित पहाड़ी को उचित मृदा संरक्षण उपायों के बिना कृषि भूमि में बदल दिया जाता है। भारी वर्षा के दौरान कौन-से परिवर्तन होने की सबसे अधिक संभावना है?

**বাংলা** মাটি সংরক্ষণের যথাযথ ব্যবস্থা ছাড়াই একটি বনভূমিকে কৃষিজমিতে রূপান্তরিত করা হলো। ভারী বৃষ্টির সময় কোন পরিবর্তনগুলি ঘটার সম্ভাবনা সবচেয়ে বেশি?

**A** **Less runoff and less soil erosion.**
कम सतही बहाव और कम मृदा अपरदन।
কম পৃষ্ঠপ্রবাহ ও কম মৃত্তিকা ক্ষয়।

**B** **More infiltration and less erosion.**
अधिक अंतःस्यंदन और कम अपरदन।
বেশি জল অনুপ্রবেশ ও কম ক্ষয়।

**C** **More surface runoff and greater soil erosion.**
अधिक सतही बहाव और अधिक मृदा अपरदन।
বেশি পৃষ্ঠপ্রবাহ ও বেশি মৃত্তিকা ক্ষয়।

**D** **No significant change.**
कोई महत्वपूर्ण परिवर्तन नहीं।
উল্লেখযোগ্য কোনো পরিবর্তন নয়।

## Q6 GEOGRAPHICAL DATA INTERPRETATION

**Difficulty: Difficult**

**EN** **The following table shows the annual rainfall of a region. What is the percentage increase in rainfall from 2023 to 2025?**

| Year | Rainfall |
|---|---|
| 2023 | 800 mm |
| 2024 | 1,000 mm |
| 2025 | 1,200 mm |

**हिन्दी** नीचे दी गई तालिका एक क्षेत्र की वार्षिक वर्षा दर्शाती है। 2023 से 2025 तक वर्षा में कितने प्रतिशत की वृद्धि हुई?

**বাংলা** নিচের সারণিতে একটি অঞ্চলের বার্ষিক বৃষ্টিপাত দেখানো হয়েছে। ২০২৩ থেকে ২০২৫ সাল পর্যন্ত বৃষ্টিপাতের শতকরা বৃদ্ধি কত?

**A** **25%**

**B** **40%**

**C** **50%**

**D** **60%**

## Q7 APPLIED GEOGRAPHY AND REASONING

Difficulty: Advanced

EN **If it is 12:00 noon at 75°E longitude, what will be the local solar time at 90°E longitude on the same day?**

हिन्दी यदि 75°E देशांतर पर दोपहर 12:00 बजे हैं, तो उसी दिन 90°E देशांतर पर स्थानीय सौर समय क्या होगा?

বাংলা 75°E দ্রাঘিমায় দুপুর ১২টা হলে, একই দিনে 90°E দ্রাঘিমায় স্থানীয় সৌর সময় কত হবে?

A **11:00 AM**
सुबह 11:00 बजे
সকাল ১১টা

B **12:30 PM**
दोपहर 12:30 बजे
দুপুর ১২টা ৩০ মিনিট

C **1:00 PM**
दोपहर 1:00 बजे
দুপুর ১টা

D **2:00 PM**
दोपहर 2:00 बजे
দুপুর ২টা

## Q8 PHYSICAL GEOGRAPHY

Difficulty: Advanced

EN **In a mature meandering river, erosion is generally strongest on which part of a bend?**

हिन्दी एक विकसित विसर्पी नदी में मोड़ के किस भाग पर सामान्यतः सबसे अधिक अपरदन होता है?

বাংলা একটি পরিণত আঁকাবাঁকা নদীর বাঁকের কোন অংশে সাধারণত সবচেয়ে বেশি ক্ষয় হয়?

A **Inner bank**
भीतरी तट
ভিতরের তীর

B **Outer bank**
बाहरी तट
বাইরের তীর

C **River bed centre only**
केवल नदी तल का मध्य भाग
শুধু নদীখাতের মধ্যভাগ

D **Both banks equally**
दोनों तटों पर समान रूप से
উভয় তীরে সমানভাবে

## Q9 INDIAN GEOGRAPHY — Difficulty: Advanced

**EN** **Black soil is particularly suitable for cotton cultivation mainly because it:**

**हिन्दी** काली मिट्टी कपास की खेती के लिए विशेष रूप से उपयुक्त होती है, मुख्यतः क्योंकि यह:

**বাংলা** কৃষ্ণ মৃত্তিকা তুলা চাষের জন্য বিশেষভাবে উপযোগী, প্রধানত কারণ এটি:

**A** **Has very low water retention.**
इसकी जल धारण क्षमता बहुत कम होती है।
এর জল ধারণ ক্ষমতা খুব কম।

**B** **Retains moisture effectively.**
यह नमी को अच्छी तरह बनाए रखती है।
এটি আর্দ্রতা ভালোভাবে ধরে রাখতে পারে।

**C** **Contains no clay minerals.**
इसमें चिकनी मिट्टी के खनिज नहीं होते।
এতে কাদামাটির খনিজ নেই।

**D** **Is found only in coastal areas.**
यह केवल तटीय क्षेत्रों में पाई जाती है।
এটি শুধু উপকূলীয় অঞ্চলে পাওয়া যায়।

## Q10 WORLD GEOGRAPHY — Difficulty: Advanced

**EN** **A region experiences hot, dry summers and mild, wet winters. Which climatic type does it most likely have?**

**हिन्दी** किसी क्षेत्र में गर्म और शुष्क ग्रीष्म ऋतु तथा हल्की और वर्षायुक्त शीत ऋतु होती है। वहाँ सबसे अधिक संभावना किस प्रकार की जलवायु की है?

**বাংলা** কোনো অঞ্চলে গ্রীষ্মকাল উষ্ণ ও শুষ্ক এবং শীতকাল মৃদু ও বৃষ্টিবহুল। অঞ্চলটির জলবায়ু সম্ভবত কোন ধরনের?

**A** **Equatorial climate**
विषुवतीय जलवायु
নিরক্ষীয় জলবায়ু

**B** **Mediterranean climate**
भूमध्यसागरीय जलवायु
ভূমধ্যসাগরীয় জলবায়ু

**C** **Tropical monsoon climate**
उष्णकटिबंधीय मानसूनी जलवायु
ক্রান্তীয় মৌসুমি জলবায়ু

**D** **Tundra climate**
टुंड्रा जलवायु
তুন্দ্রা জলবায়ু

# Section B — Answers with Explanations

## QUESTION 1 — Correct Answer: B (15°C)

**EN** Temperature decreases by approximately 6.5°C for every 1,000 metres of altitude.

> Temperature decrease = 2 × 6.5 = 13°C | Station temperature = 28 − 13 = 15°C.

**हिन्दी** प्रत्येक 1,000 मीटर की ऊँचाई पर तापमान लगभग 6.5°C कम होता है।

> तापमान में गिरावट = 2 × 6.5 = 13°C | स्टेशन का तापमान = 28 − 13 = 15°C।

**বাংলা** প্রতি ১,০০০ মিটার উচ্চতায় তাপমাত্রা প্রায় ৬.৫°C কমে যায়।

> তাপমাত্রা হ্রাস = ২ × ৬.৫ = ১৩°C | স্টেশনের তাপমাত্রা = ২৮ − ১৩ = ১৫°C।

## QUESTION 2 — Correct Answer: B

**EN** Moist southwest monsoon winds rise along the western slopes of the Western Ghats, causing orographic rainfall.

**हिन्दी** दक्षिण-पश्चिम मानसूनी नम हवाएँ पश्चिमी घाट की पश्चिमी ढलानों पर ऊपर उठती हैं, जिससे पर्वतीय वर्षा होती है।

**বাংলা** দক্ষিণ-পশ্চিম মৌসুমি আর্দ্র বায়ু পশ্চিমঘাটের পশ্চিম ঢাল বরাবর উপরে উঠে শৈলোৎক্ষেপ বৃষ্টিপাত ঘটায়।

## QUESTION 3 — Correct Answer: C (Humboldt Current)

**EN** The cold Humboldt Current flows northward along the western coast of South America.

**हिन्दी** ठंडी हम्बोल्ट धारा दक्षिण अमेरिका के पश्चिमी तट के साथ उत्तर की ओर बहती है।

**বাংলা** শীতল হামবোল্ট স্রোত দক্ষিণ আমেরিকার পশ্চিম উপকূল বরাবর উত্তর দিকে প্রবাহিত হয়।

## QUESTION 4 — Correct Answer: B (East / पूर्व / পূর্ব)

**EN** Location B is at 85°E, while Location A is at 80°E. A higher east longitude indicates a position farther east.

**हिन्दी** स्थान B 85°E पर है, जबकि स्थान A 80°E पर है। अधिक पूर्वी देशांतर वाला स्थान पूर्व दिशा में होता है।

**বাংলা** B স্থানের দ্রাঘিমা 85°E এবং A স্থানের দ্রাঘিমা 80°E। বেশি পূর্ব দ্রাঘিমায় অবস্থিত স্থানটি পূর্ব দিকে থাকে।

## QUESTION 5 — Correct Answer: C

**EN** Removing forest cover reduces the protection provided by vegetation, increasing surface runoff and soil erosion during heavy rainfall.

**हिन्दी** वनस्पति आवरण हटाने से मिट्टी को मिलने वाली प्राकृतिक सुरक्षा कम हो जाती है। इससे भारी वर्षा के दौरान सतही बहाव और मृदा अपरदन बढ़ता है।

**বাংলা** বনভূমির আচ্ছাদন সরিয়ে ফেললে মাটি প্রাকৃতিক সুরক্ষা হারায়। ফলে ভারী বৃষ্টির সময় পৃষ্ঠপ্রবাহ ও মৃত্তিকা ক্ষয় বৃদ্ধি পায়।

## QUESTION 6 — Correct Answer: C (50%)

**EN** Percentage increase = [(1,200 - 800) ÷ 800] × 100 = (400 ÷ 800) × 100 = 50%.

**हिन्दी** प्रतिशत वृद्धि = [(1,200 - 800) ÷ 800] × 100 = (400 ÷ 800) × 100 = 50%।

**বাংলা** শতকরা বৃদ্ধি = [(১,২০০ - ৮০০) ÷ ৮০০] × ১০০ = (৪০০ ÷ ৮০০) × ১০০ = ৫০%।

## QUESTION 7 — Correct Answer: C (1:00 PM / दोपहर 1:00 बजे / দুপুর ১টা)

**EN** Every 1° of longitude represents a 4-minute time difference.

> Longitude difference = 90° - 75° = 15° | Time difference = 15 × 4 = 60 minutes. Therefore, 90°E is one hour ahead of 75°E.

**हिन्दी** प्रत्येक 1° देशांतर पर समय का अंतर 4 मिनट होता है।

> देशांतर का अंतर = 90° - 75° = 15° | समय का अंतर = 15 × 4 = 60 मिनट। अतः 90°E पर समय, 75°E से एक घंटा आगे होगा।

**বাংলা** প্রতি ১° দ্রাঘিমার জন্য সময়ের পার্থক্য ৪ মিনিট।

> দ্রাঘিমার পার্থক্য = ৯০° - ৭৫° = ১৫° | সময়ের পার্থক্য = ১৫ × ৪ = ৬০ মিনিট। সুতরাং 90°E দ্রাঘিমায় সময় 75°E-এর তুলনায় এক ঘণ্টা এগিয়ে থাকবে।

## QUESTION 8 — Correct Answer: B (Outer Bank / बाहरी तट / বাইরের তীর)

**EN** Water generally flows faster along the outer bank of a meander, causing stronger erosion.

**हिन्दी** नदी के विसर्प के बाहरी तट पर जल का प्रवाह सामान्यतः तेज होता है, जिससे अधिक अपरदन होता है।

**বাংলা** নদীর বাঁকের বাইরের তীর বরাবর সাধারণত জলের প্রবাহ বেশি দ্রুত হয়, ফলে সেখানে বেশি ক্ষয় ঘটে।

## QUESTION 9 — Correct Answer: B

**EN** Black soil has a high moisture-retention capacity, making it particularly suitable for cotton cultivation.

**हिन्दी** काली मिट्टी में नमी बनाए रखने की क्षमता अधिक होती है, इसलिए यह कपास की खेती के लिए विशेष रूप से उपयुक्त है।

**বাংলা** কৃষ্ণ মৃত্তিকার আর্দ্রতা ধরে রাখার ক্ষমতা বেশি, তাই এটি তুলা চাষের জন্য বিশেষভাবে উপযোগী।

**QUESTION 10 — Correct Answer: B (Mediterranean Climate / भूमध्यसागरीय जलवायु / ভূমধ্যসাগরীয় জলবায়ু)**

**EN** Mediterranean climates are characterised by hot, dry summers and mild, wet winters.

**हिन्दी** भूमध्यसागरीय जलवायु की विशेषता गर्म और शुष्क ग्रीष्म ऋतु तथा हल्की और वर्षायुक्त शीत ऋतु है।

**বাংলা** ভূমধ্যসাগরীয় জলবায়ুর বৈশিষ্ট্য হলো উষ্ণ ও শুষ্ক গ্রীষ্মকাল এবং মৃদু ও বৃষ্টিবহুল শীতকাল।

## Quick Answer Summary (Sample Question Paper)

| QUESTION NO. | CORRECT OPTION | CORRECT ANSWER |
|---|---|---|
| 1 | B | 15°C |
| 2 | B | Orographic Rainfall |
| 3 | C | Humboldt Current |
| 4 | B | East |
| 5 | C | Increased Runoff and Erosion |
| 6 | C | 50% |
| 7 | C | 1:00 PM |
| 8 | B | Outer Bank |
| 9 | B | High Moisture Retention |
| 10 | B | Mediterranean Climate |

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