



Reg. No. : .....

137

Name : .....

**FIRST YEAR HIGHER SECONDARY MODEL EXAMINATION, FEBRUARY 2024**

**Part – III  
GEOGRAPHY  
Maximum : 60 Scores  
(1 Map Attached)**

Time : 2 Hours  
Cool-off Time : 15 Minutes

**General Instructions to Candidates :**

- There is a 'Cool off time' of 15 minutes in addition to the writing time.
- Use the 'cool off time' to get familiar with questions and to plan your answers.
- Read questions carefully before answering.
- Read the instructions carefully.
- Calculations, figures and graphs should be shown in the answer sheet itself.
- Malayalam version of the questions is also provided.

**വിദ്യാർത്ഥികൾക്കുള്ള പൊതുനിർദ്ദേശങ്ങൾ :**

- നിർദ്ദിഷ്ട സമയത്തിന് പുറമെ 15 മിനിറ്റ് 'കൂൾ ഓഫ് ടൈം' ഉണ്ടായിരിക്കും.
- 'കൂൾ ഓഫ് ടൈം' ചോദ്യങ്ങൾ പരിചയപ്പെടാനും ഉത്തരങ്ങൾ ആസൂത്രണം ചെയ്യാനും ഉപയോഗിക്കുക.
- ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- നിർദ്ദേശങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കുക
- കണക്ക് കൂട്ടലുകൾ, ചിത്രങ്ങൾ, ഗ്രാഫുകൾ, എന്നിവ ഉത്തരപേപ്പറിൽ തന്നെ ഉണ്ടായിരിക്കണം.
- ചോദ്യങ്ങൾ മലയാളത്തിലും നൽകിയിട്ടുണ്ട്.



Answer any 4 questions from 1 to 5. Each carries 1 Score.

(4×1=4)

- In terms of area India's rank is \_\_\_\_\_  
a) 5                      b) 6                      c) 7                      d) 8
- The hypothesis put forward by Immanuel Kant regarding the origin of planets.  
a) steady state theory                      b) binary star theory  
c) nebular hypothesis                      d) continental drift theory
- The wind that blows parallel to isobars  
a) hurricanes                      b) geostrophic  
c) typhoons                      d) jetstream
- Mountain building processes  
a) orogenic                      b) epirogenic  
c) mass movement                      d) exfoliation
- \_\_\_\_\_ is meteorologically a very important gas in the atmosphere.  
a) Oxygen                      b) Nitrogen  
c) Helium                      d) Carbon dioxide

Answer any 8 questions from 6 to 15. Each carries 2 Scores.

(8×2=16)

- List out any four physiographic divisions of India.
- Define the following terms  
a) climatology  
b) hydrology
- The lava that cools within the crustal portions assumes different forms. Identify and write them.
- Suggest any two earthquake hazard mitigation measures.
- Name any four major plates according to the theory of Plate tectonics.



11. Rain shadow regions are associated with a particular type of rain, identify the type and explain.
12. International efforts have been initiated for reducing the emission of GHGs into the atmosphere, name the primary GHGs.
13. List the four major divisions of ocean floors.
14. Distinguish between Extra tropical cyclones and Tropical cyclones.
15. Examine the roles of biodiversity in different levels.

Answer any 8 questions from 16 to 26. Each carries 3 Scores.

(8×3=24)

16. Prepare a note on the Ganga drainage system.

Hints :

- Origin
- Discharge
- Tributaries

17. Mention the factors controlling temperature distribution.
18. Point out the important reasons of the declining of wildlife in India.
19. Big bang theory is the most popular arguments regarding the origin of universe. Write the three stages considers in the development of the universe in this theory.
20. a) Five basic factors control the formation of soils, write any three.  
b) Mention the three major groups of weathering processes.
21. Categorise the following landform features into erosional and depositional according to their agents of denudation.

(Caves, moraines, mushroom rock, cirque, barchan, stalactite)

agent	erosional	depositional
wind		
ground water		
glacier		



22. Prepare a short note  
a) convection      b) conduction
23. Analyse the influence of Monsoon in the economic life of India.
24. Identify the phenomenon shown in the diagram and explain.



25. Differentiate between Troposphere and Stratosphere.
26. Running water is by far the most dominating geomorphic agent in shaping the Earth surface in humid climate. Explain.

Answer any 4 questions from 27 to 31. Each carries 4 Scores.

(4×4=16)

27. Make a comparison of the west coastal plains and east coastal plains of India.
28. Explain the sources of Information about the interior of the earth.
29. According to Alfred Wegener, all the continents formed a super continental mass and mega ocean from which the current continents and oceans were formed. Answer the following questions.
- Name the super continental mass and mega ocean.
  - Discuss any three evidences which support this theory.
30. Categorise the tides based on the position of the sun and moon with respect to the earth and explain any one.
31. Identify and mark the following geo-information on the given outline map of India.
- The strait which separates India from Sri Lanka
  - The island group which lies in Arabian Sea
  - The largest river system of Rajasthan
  - Mangrove forest highly developed area in West Bengal.