

SAINT CLARET COLLEGE, ZIRO
B. A. (GEOGRAPHY)
SYLLABUS AS PER RGU SEMESTRAL SCHEME
 (Subjected to syllabus enrichment by SCCZ for Claretines)

Semester I

GEOGCT 101: Physical Basis of Geography

Breakup of marks with time	Questions to be set for End term Examination
Total marks :70 (I)	
End term Exam : 56 (2 hrs)	Section A: 6 (six) question to set, 4 (four) to attempt, i.e. 4x 4marks=16 Section B: 2 (two) question from each unit in OR form, i.e., 4x10marks=40 (e.g., Q. 1 a OR b, Q. 2 a OR b) so that candidate will attempt one question from each unit
Internal Exam : 14 (1 hr)	14 marks: Average of best two passed Internal Exams

Objectives: Having studied this paper, a student will be able to-

- a. Explain with suitable diagrams the earth's interior, earth's movement and types of rocks.
- b. Describe the weather and climate and its associated phenomenon and atmospheric circulation.
- c. Explain the biosphere system and its components, ecosystem and distribution of flora and fauna.
- d. Explain the relief of ocean floor and associated conditions of oceans.

Unit 0: Baseline Analysis- Course objectives and goal setting, fundamentals of Geography with special reference to Physical Geography

Unit I: Earth system

- a. Earth interior: Crust, Mantle, Core, Moho discontinuity on the basis of seismic evidences
- b. Volcanoes and Earthquakes.
- c. Continents and Oceans; crustal movement and plates
- d. Classification of Rocks and their genesis.

Unit II: Climate System

- a. Concept of weather & climate, elements of weather; Composition and structure of atmosphere
- b. Distribution of temperature: Horizontal and Vertical.
- c. Pressure belts, Wind system,
- d. Precipitation and its types

Unit III: Biosphere system

- a. Biosphere: Components and interactive elements
- b. Ecosystem: Concept and types
- c. Origin and distribution of flora
- d. Origin and distribution of fauna

Unit IV: Ocean System

- a. Ocean bottom relief.
- b. Ocean currents: causes and effects, major ocean currents of world.
- c. Ocean tides.
- d. Ocean Salinity: causes and effects

Unit 100: Advanced Skills- Open discussion, Class test and seminar, Remedial classes, Library hours and Peer teaching.

Recommended Readings:

- Bunnett, R. B. (1965). *Physical Geography in Diagrams*. New Delhi: Orient Longman Ltd.
- Critchfield, H. J. (2012). *General Climatology*. New Delhi: PHI Learning Private Limited.
- Deka, P. (2003). *Geography: Physical and Human*. New Delhi: New Age International (P) Ltd.
- Hess, D. (2011). *Physical Geography: A Landscape Appreciation*. New Delhi: PHI Learning Private Ltd.
- Lal, D. S. (2003). *Climatology*. Allahabad: Sharda Pustak Bhawan.
- Lal, D. S. (2018): *Climatology and Oceanography*. Allahabad: Sharda Pustak Bhawan.
- Sharma, R. C. and Vatal, M. (2001). *Oceanography for Geographers*. Allahabad: Chaitanya Publishing House.
- Singh, S. (2003). *Physical Geography*. Allahabad: Prayag Pustak Bhawan.
- Tikka, R. N. (1981). *Physical Geography*. Meerut: Kedarnath, Ramnath and Co.
- Whittow, B. J. (2000). *Dictionary of Physical Geography*. London: Penguin Books Limited.