

**Ph.D. GEOGRAPHY
(PHDGG)**

00285

Term-End Examination

June, 2018

RGGE-101 : RESEARCH IN PHYSICAL GEOGRAPHY

Time : 3 hours

Maximum Marks : 100

*Note : Answer any **five** questions. All questions carry equal marks.*

1. Explain the importance of physical geography in the earth system sciences ? 20
2. Write a short note on each of the following : $2 \times 10 = 20$
 - (a) Plate Tectonic Theory
 - (b) Earth's Atmosphere
3. Describe hydrological cycle with a neat sketch and justify that hydrology is a highly interdisciplinary science. 20
4. Describe briefly various drainage patterns with examples. 20

5. Explain the various methods in collecting and measuring rainfall. Describe briefly about analysis and interpretation techniques of rainfall data. 20
 6. Explain in detail about the effects of climate change in agriculture. 20
 7. Write a note on glacier mass balance ? Explain the role of remote sensing in glacier studies. 20
 8. Write a note on any **two** of the following : 2×10=20
 - (a) Soil Conservation
 - (b) Urban Heat Islands
 - (c) Landscape Ecology
 - (d) Land Degradation and Desertification
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