

TEST FOR ADMISSION TO THE POST GRADUATE COURSE IN GEOGRAPHY

PRESIDENCY UNIVERSITY, KOLKATA

August 4, 2013

Time: 2 hours

Full Marks: 100

Section-I: Answer any 10 questions

10 X 2

1. The leading proponent of the idea of "Right to the City" was _____. The idea relates to equity in accessing _____ resources.
2. The difference between the actual Lorenz curve and the diagonal is called _____. The diagonal is known as line of equality or _____ line.
3. IRNSS stands for _____. IRNSS-IA has been placed in _____ orbit.
4. The hythergraph is devised by _____ and the ternary graph by _____.
5. _____ is an example of pedocal soil and _____ is an example of pedalfer soil.
6. East Calcutta Wetland has been declared as _____ site while Western Ghats as Biodiversity _____.
7. "Social Justice and the City" is the title written by _____ while "Post Modern Geographies- the Reassertion of space in Critical Social Theory" was written by _____.
8. Name two Geopolitical Blocs to which India is a member.
9. A tornado and a cyclone are two atmospheric phenomena which differ in climatological _____ and _____ scales.
10. What is Agenda-21?
11. The only rock that floats in water is _____, which is _____ in origin.
12. The concept of graded stream was put forward by _____. The graded stream maintains an equilibrium condition which depends on the _____ scale considered.
13. Distinguished between influent stream and effluent stream.
14. Differentiate simple river regime from complex river regime.

Section-II: Answer any 6 questions (Each within 100 words)**6 X 5**

1. Would a model developed by combining the ideas of Airy and Pratt can best explain the global isostatic balance and adjustments? Comment.
2. What are the advantages of applying general systems theory in geomorphological studies?
3. Mention the factors which determine landslide susceptibility.
4. Identify the major ecological threats faced by Sundarbans.
5. Examine the net outcome of Hartshorne-Schaefer debate.
6. Why does a rising air parcel gradually cools down?
7. Elaborate the basic premises of 'bioremediation'.
8. Explain the implications of ecosystem homoeostasis in sustainability.
9. "Poverty is the biggest polluter". Explain
10. The following measurements were recorded in a closed traverse survey. Determine the correct include angles of the corrected traverse.

Lines	Observed Bearing	
	Forward Bearing	Back Bearing
AB	115°30'	329°45'
BC	78°00'	256°30'
CD	42°30'	223°45'
DE	315°45'	134°15'
EA	220°15'	40°15'

Section-III: Answer any 5 questions (Each within 500 words)**10 X 5**

1. Discuss the nature and impact of base level changes on the landscape with particular reference to river valley morphology.
2. Correlate 'Sea floor spreading' with volcanism in the context of Pacific Ring of Fire.
3. How does climate system maintain a steady state?
4. Explain the various processes responsible for transfer and transformation of materials in soil.
5. Critically evaluate the success of 'bottom-up approach' to economic development in case of India.
6. Make a comparison between urbanization in developed countries and that in developing countries.
7. How are the local resource management initiatives threatened by global agendas?
8. Elucidate the methods adopted for analysis of disparity in spatial distribution of geographical themes.