

2016

GEOGRAPHY

( Major )

Paper : 1.2

( Basis of Geomorphology )

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks for the questions*

1. Choose the correct option of the following questions : 1×7=7

(a) The book, *Theory of the Earth* was written by

(i) W. M. Davis

(ii) Charles Lyell

(iii) James Hutton

(iv) John Playfair

- (b) \_\_\_\_\_ is a south bank tributary of the river Brahmaputra.
- (i) Bhogdoi
  - (ii) Jiabharali
  - (iii) Pachnoi
  - (iv) Beki
- (c) Arete is a term associated with fluvial/glacial/arid topography.
- (d) Rapids are associated with fluvial/glacial/arid topography.
- (e) The uppermost layer of the earth is known as sial/sife/sike/siat.
- (f) Alluvial fans are found in floodplains/foothills/mountains.
- (g) The concept of plate tectonics was put forward by
- (i) Arthur Holmes
  - (ii) Lowthian Green
  - (iii) Alfred Wegener
  - (iv) Kober

2. Write very briefly on the following :  $2 \times 4 = 8$

(a) Hanging valley

(b) Oxbow lake

(c) Inselberg

(d) Sima layer

3. Write short notes on any *three* of the following :  $5 \times 3 = 15$

(a) Isotasy

(b) Chemical weathering

(c) Epeirogenic movement

(d) Scope of Physical Geography

4. Explain the theory of normal cycle of erosion as propounded by Davis. Explain critically why the present-day geographers have discarded this concept.  $6 + 4 = 10$

Or

Discuss the continental drift theory as put forward by Alfred Wegener. 10

5. Discuss the depositional landforms associated with glaciated topography. 10

Or

Discuss the erosional and depositional landforms associated with arid topography. 10

6. Discuss the mountain building theory as propounded by Kober. 10

Or

Discuss the place of Geomorphology among different branches of Physical Geography. 10

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