

**2018**

**CBCS**

**1st Semester**

**GEOGRAPHY**

**PAPER—DSC-1AT**

**(General)**

*Full Marks : 60*

*Time : 3 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

**Physical Geography**

**Group—A**

Answer all questions.

1. Answer any ten questions :

10×2

(a) What is 'tropopause'?

(b) What is the significance of Ozone Layer?

*(Turn Over)*

- (c) Define the 'Heat Island'.
- (d) What do mean by 'Doldrums' ?
- (e) What is 'eye of cyclone' ?
- (f) Define the 'Burst of Monsoon'.
- (g) Define the Geosyneline.
- (h) What is 'Monadnock' ?
- (i) What is 'Sargossa Sea' ?
- (j) Define 'Guyots'.
- (k) What is meant by the Earth's albedo ?
- (l) What is MONEX ?
- (m) What is subduction zone ?
- (n) What is Rossby wave ?
- (o) What is the cause of High Tide ?

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**Group—B**

2. Answer any *four* questions : 4×5

- (a) Explain the scope and contents of Physical Geography. 5
- (b) Explain the mechanism of the genesis of tropical cyclone over the Bay of Bengal. 5
- (c) Discuss the role of Jet stream to the genesis of Indian Monsoon. 5
- (d) Explain the formation of island arcs. 5
- (e) Explain the formation of Ferrel cell with Suitable sketches. 5

**Group—C**

3. Answer any *two* questions : 2×10

- (a) Explain the different theories of Indian Monsoon genesis.

- (b) Discuss the Mechanism of Himalayan Mountain formation in the point of two Destructive Plate margin.
  - (c) Compare the landform evolution theories as proposed by Davis and Penck.
  - (d) Illustrate the bottom relief features of Pacific Ocean.
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