

**2018**

**CBCS**

**1st Semester**

**GEOLOGY**

**PAPER—GE1T**

**(Honours)**

*Full Marks : 40*

*Time : 2 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.*

***Essential of Geology***

*Answer all questions.*

***Group—A***

**1. Answer any five questions :** 5×2

- (a) What are the differences between terrestrial and jovian planets in solar system ?

*(Turn Over)*

- (b) Define focus and epicenter of an earthquake.
- (c) Write down the age of first appearance of fish and reptiles.
- (d) Define fossil and fossilization.
- (e) State the differences between S-wave and L-wave.
- (f) What is a shield volcano?
- (g) What scales are used to measure the intensity and magnitude of an earthquake?
- (h) Write two differences between weathering and erosion.

**Group—B**

2. Answer any *four* questions : 4×5

- (a) Describe with neat sketches, different depositional landforms formed by a river.

- (b) Draw a cross-sectional view of volcano and mark the characteristic features and define them.
- (c) Write a note on the internal heat of the earth.
- (d) Write about landforms resulted due to plate tectonic movements.
- (e) Describe briefly about chemical weathering processes.
- (f) Write short notes on (any two) : 2×2½
- (i) Roches moutonees
  - (ii) Drumlins
  - (iii) Trench

**Group— C**

3. Answer any one question : 1×10

- (a) (i) Describe the erosional landforms formed by deserts.

(ii) With a suitable sketch, define a barchan dune.

8+2

(b) Briefly discuss about the internal constitution of the earth with the help of seismic wave data. 10

---