

Total No. of Printed Pages—4

**6 SEM TDC DSE GEO (CBCS) 2 (H)**

**2 0 2 4**

( May )

**GEOLOGY**

( Discipline Specific Elective )

( For Honours )

Paper : DSE-2

( **Geology of North-East India** )

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

**UNIT—1**

( Marks : 11 )

1. (a) Fill in the blanks of the following : 1

Main central thrust separates higher Himalaya and \_\_\_\_\_ and Naga thrust dipping towards \_\_\_\_\_.

( 2 )

(b) Write briefly about the major river draining of North-East India. 2

2. Write physiography of any four of the following : 2×4=8

- (a) Mishmi Hills
- (b) Tripura-Cachar Belt
- (c) Arunachal Himalaya
- (d) Brahmaputra Plain
- (e) Meghalaya Plateau
- (f) Naga Patkai Range

Or

Write about tectonic framework of North-East India. 8

### UNIT—2

( Marks : 10 )

3. Fill in the blanks of the following : 1×2=2

- (a) Ophiolite suite of Nagaland comprises of \_\_\_\_\_ and \_\_\_\_\_ rocks.
- (b) Dihing Group is unconformably overlain by alluvial deposits of \_\_\_\_\_ age.



4. Write about the stratigraphy of tertiary of North-East India. 8

Or

Write a note on ophiolite suit of Nagaland and Manipur.

UNIT—3

( Marks : 17 )

5. Write short notes on any *three* of the following : 3×3=9

- (a) Eastern Himalayan Syntaxis
- (b) Lohit Thrust
- (c) Dauki Fault
- (d) Tidding Suture Zone
- (e) Naga and Disang Thrust System

6. Discuss Indo-Myanmar range and its relation to Andaman-Nicobar Arc system.

3+5=8

Or

Discuss the formation of sub-Himalayas and activation of MFT.

8

( 4 )

UNIT—4

( Marks : 8 )

7. Describe briefly about mineral resources of Meghalaya. 8

Or

Write a note on petroliferous basins of Assam.

UNIT—5

( Marks : 7 )

8. What is an earthquake? Write a note on 1950 earthquake of Assam. 2+5=7

Or

Write a note on past major floods in Assam. 7

★★★