



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 1st Semester Examination, 2021-22

**GEOACOR01T-GEOGRAPHY (CC1)**  
**GEOTECTONICS AND GEOMORPHOLOGY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.  
All symbols are of usual significance.*

**CATEGORY-A**

**Answer any *one* question from the following within 600 words**

10×1 = 10

1. Elucidate the structure and composition of earth's interior layers with special reference to seismological evidences. What is meant by surface waves or L waves? 8+2
2. Explain with suitable sketches the characteristic features of erosional landforms produced by glacier. What is erratic? 8+2

**CATEGORY-B**

**Answer any *four* questions from the following within 150 words each**

5×4 = 20

3. Briefly describe the factors which control landslides.
4. How 'Inselberg' is formed in arid regions?
5. Briefly discuss the landforms of arid and semi-arid regions caused by fluvio-aeolian action.
6. Distinguish between slump and slide.
7. Explain the formation of island arcs.
8. Explain the role of Asthenosphere in plate movement.
9. What are the characteristics of convergent plate margins?

CATEGORY-C

Answer any *five* questions from the following within 50 words each

2×5 = 10

10. What do you mean by migration of dunes?
11. What is chelation?
12. What is bio-geo-chemical weathering?
13. Explain duricrust.
14. Differentiate between crevasse and bergschrund.
15. Define lahar.
16. State the significance of the Quaternary Period.
17. What is epoch?
18. How deflation hollow is formed?

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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