



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 1st Semester Examination, 2018

**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.*

**CATEGORY-A**

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

10×1 = 10

1. What are the different types of plate margin? Explain the characteristics and related landforms of divergent plate margins with the help of suitable diagrams. 2+8
2. What are the erosional processes operating in a coastal area? Discuss with diagrams the landforms produced by coastal erosion. 3+7

**CATEGORY-B**

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

5×4 = 20

3. Explain the concept of 'level of compensation' as put forward by Pratt. 5
4. Distinguish between 'strike-slip-fault' and 'dip-slip-fault' with the help of diagrams. 5
5. What are the differences between solifluction and soil creep? 5
6. Explain the development of trellis drainage pattern on uniclinal structure. 5
7. Discuss in brief the typical landforms developed on basaltic terrain. 5
8. Discuss with diagrams the formation of pediment and bajada. 5
9. What do you understand by "interruption of the normal cycle of erosion"? 5

**CATEGORY-C**

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

2×5 = 10

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| 10. | What are the different epochs of the Cenozoic era?                   | 2 |
| 11. | What is meant by 'shadow zone'?                                      | 2 |
| 12. | How are 'hot spots' formed?  | 2 |
| 13. | What is exfoliation?   | 2 |
| 14. | What do you understand by the term <i>nevé</i> ?                     | 2 |
| 15. | How are ventifacts formed?   | 2 |
| 16. | What is blind valley?  | 2 |
| 17. | What is 'primarumpf'?  | 2 |
| 18. | What do you understand by 'non-cyclic theory of landform evolution'? | 2 |

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