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

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 the earth's core and mantle with reference to   8+2 = 10
    seismological evidences. Define isostasy.

2. Trace the evolution of topography and drainage system on folded structure. What is   8+2 = 10
    valley inlier?

CATEGORY-B

Answer any *four* questions from the following within 150 words each   5×4 = 20

3. Briefly discuss the theory of Isostasy as proposed by Airy.   5

4. Discuss the origin of 'hot spots' and their role in plate tectonics.   5

5. Differentiate between 'isoclinal fold' and 'recumbent fold' with suitable examples.   5

6. Explain the formation of tors in granitic region.   5

7. Describe the factors favorable for the formation of dolines.   5

8. Briefly state the Dynamic Equilibrium concept after Hack.   5

9. Explain the formation of longitudinal and transverse dunes.   5

CATEGORY-C

Answer any *five* questions from the following within 50 words each   2×5 = 10

10. State the significance of the Pleistocene epoch.   2

11. Explain the 'Benioff Zone'.   2

12.	What is triple junction?	2
13.	What is rockfall?	2
14.	Explain the term chelation.	2
15.	Explain the formation of 'gloup'.	2
16.	How are pyramidal peaks formed?	2
17.	What is Pedestal rock?	2
18.	What is haldenhang?	2

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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