WEST BENGAL STATE UNIVERSITY

B.A./B.Sc. Honours 1st Semester Examination, 2020, held in 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 each $10 \times 1 = 10$

1. What is meant by 'Plate Tectonics'? Explain the characteristics and related landforms of convergent plate margins with suitable diagrams. $2+8 = 10$

2. Discuss the factors that affect weathering process. Explain different processes of mechanical weathering. $3+7=10$

CATEGORY-B

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

3. Briefly write an account on the temporal span, classification and significance of quaternary period.

4. Differentiate the nature of primary and secondary waves.

5. Identify the different forms of interruption in a cycle of erosion.

6. Classify 'Moraines'.

7. How inversion of relief is formed?

8. Distinguish between Yardang and Zeugen.

9. Describe the formation of 'hot spot'.

CATEGORY-C

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

10. Define global isostatic adjustment.

11. How is kame terrace formed?

12. What is meant by seismic shadow zones?

13. Distinguish between hydration and hydrolysis.

14. What is Exfoliation?

15. What are pediments?

16. What is colloidal plucking?

17. Mention the forces responsible for plate motion.

18. What is meant by steady state?

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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