

BACHELOR OF SCIENCE EXAMINATION, 2019

(1st Year, 1st Semester)

GEOGRAPHY (HONOURS)

Geotectonics and Geomorphology

Paper - C 101 T

Time : Two hours

Full Marks : 50

Use a separate answer script for each group.

GROUP - A

Answer any *two* questions. 10x2=20

1. Examine critically the concept of isostasy as put forward by Airy and Pratt. 5+5
2. Describe the development of drainage system and evolution of landforms on uniclinal structures with proper illustrations. 3+7
3. Given an account of the different landforms created by erosional activities of valley glaciers with suitable illustrations. 10
4. Describe the non-cyclic theory of landform evolution by J T Hack. What is meant by rejuvenation ? 8+2

(Turn over)

(2)

GROUP - B

Answer any *two* questions. 5x2=10

5. Distinguish between soil creep and solifluction. 5
6. How are island arcs formed ? 5
7. Explain with diagrams the formation of barchan and yardang. 5
8. What are the favourable conditions for development of coastal landforms ? 5

GROUP - C

Answer any *ten* questions. 10x2=20

9. What is meant by 'inversion of relief' ?
10. What is meant by block disintegration ?
11. What is meant by chelation ?
12. What is epeirogenic movement ?
13. What is lahar ?
14. Mention the landforms of fluvial rejuvenation.

(3)

15. Mention two important characteristics of Triassic period.
16. How is a rift valley or graben formed ?
17. What are hums ?
18. What is meant by bajada ?
19. Explain the formation of tors in granitic rocks.
20. How are blind valleys formed ?
21. What is foreshore and backshore ?
22. How are geos formed ?
23. With the help of a diagram show consequent, subsequent and obsequent streams.

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