

Ex./GEOG/1/301/32/2017

BACHELOR OF SCIENCE EXAMINATION, 2017

(2nd Year, 3rd Semester)

GEOGRAPHY (HONOURS)

Paper - 301 T

Geotectonics & Geomorphology

Time : Two hours

Full Marks : 50

GROUP - A (20 marks)

Answer any *two* questions.

1. Discuss the main elements of the theory of plate tectonics with special reference to the different types of plate margins. 4+6
2. Describe and explain the typical geomorphic features produced by aeolian depositional processes with suitable diagrams. 7+3
3. Describe the evolution of landforms on folded structure with suitable diagrams. 7+3
4. Discuss critically the concept of landscape evolutions by W M Davis with suitable diagrams. 7+3

(Turn Over)

(2)

GROUP - B (10 marks)

Answer any **two** questions.

5. What are the different types of seismic waves? 5
6. Mention the evidences of palaeomagnetism in favour of Wegener's theory of continental drift. 5
7. Describe the landforms produced by glacio-fluvial deposition. 5
8. Give a brief account of the different processes of chemical weathering. 5

GROUP - C (20 marks)

Answer any **ten** questions. 2x10=20

9. What is meant by *Mohorovicic discontinuity* ?
10. Define mass wasting.
11. What is meant by polar wandering ?
12. What is a *Benioff Zone* ?
13. What is a compound volcano ?

(3)

14. What is solifluction ?
15. Define base level of erosion.
16. What are helictites ?
17. What is exfoliation ?
18. Define primarumpf.
19. What is meant by "*Absteigende Entwicklung*".
20. Bring out the differences between peneplain and pediplain.
21. What is "basket of egg topography" ?
22. Draw an annotated diagram to represent the different parts of a cirque.
23. What is a retrograding shoreline ?

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