

17U234

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2018

(Regular/Supplementary/Improvement)

(CUCBCSS – UG)

(Core Course: Geology)

CC15U GL2 B03 – DYNAMIC GEOLOGY & GEOINFORMATICS

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

I. Answer *all* ten questions:

1. Isolated pillar like masses in desert region is known as _____.
2. Drumlins are associated with which geologic agent?
3. When water of a stream descends over a step like structure is known as _____.
4. A characteristic topography or landscape formed from the dissolution of soluble rocks like limestone is known as _____.
5. Wind faceted pebbles are also known as _____.
6. A depositional feature in the marine environment in which an island is attached to the mainland by narrow piece of land such as spit or bar is known as _____.
7. Flat-topped seamounts are known as _____.
8. The underground water that occurs within the zone of aeration is termed as _____.
9. The process of converting a raster image format into a vector graphics format known as _____.
10. An example for free open source GIS software.

(10 x 1 = 10 Marks)

II. Answer any *ten* in one or two sentences:

11. Atoll.
12. Yardang.
13. Inselbergs.
14. Speleothem.
15. Natural levee.
16. Continental slope.
17. Rip current.

18. Cirque.
19. Sea mounts.
20. Erratic boulders.
21. Geo-referencing.
22. Artesian well.

(10 x 2 = 20 Marks)

III. Answer any *five* questions in a paragraph each:

23. Meandering river.
24. River metamorphosis.
25. Types of sand dunes.
26. Moraines.
27. Turbidity Currents.
28. Mid-Oceanic Ridges.
29. Raster and vector data representation.
30. Application of GIS in urban planning.

(5 x 6 = 30 Marks)

IV. Write essays on any *two* of the following:

31. Describe the geologic work of glaciers. Add note on erosional and depositional features of glaciers.
32. Write an essay on genesis and types of drainage systems with neat sketches.
33. What is Geographic information system? Add a note on its application in mineral exploration and ground water studies.
34. Write an essay on morphology of ocean floor.

(2 x 10 = 20 Marks)
