21U210S (Pages: 2) Name: ……

Reg. No……...

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022

(CUCBCSS-UG)

CC15U GL2 B03 – DYNAMIC GEOLOGY & GEOINFORMATICS

(Geology - Core Course)

(2016 to 2018 Admissions - Supplementary/ Improvement)

Time: Three Hours Maximum: 80 Marks

Draw neat diagrams wherever necessary.

Part- A

Answer ***all*** questions. Each question carries one mark.

1. A loamy deposit formed by wind.
2. An electronic device for capturing digital data from paper maps called _____
3. The group of topographic features made up of unstratified, unsorted deposits of till.
4. Ocean current that moves parallel to shore.
5. A device in GIS used for scanning an image and converting it into numerical format.
6. The shallow water zonal division of relief feature of ocean adjoining the land called _____
7. Flat topped sea mounts are known as _____
8. A depositional feature in the marine environment in which an island is attached to the main land by narrow piece of land such as spit or bar is known as _____
9. The capacity of a rock to transmit fluids is called _____
10. The pebbles faceted by the abrasive effects of wind- blown sand are called _____

(10 × 1 = 10 Marks)

Part- B

Answer any ***ten*** questions. Each question carries 2 marks.

11. Inselbergs.
12. Karst Topography.
13. Artesian well.
14. Tides.
15. Continental shelf.
16. Base level.
17. Rejuvenation.
18. Multispectral data.
19. Glacial ages.

20. Subsequent stream.
21. Water table.
22. Georeferencing.

(10 × 2 = 20 Marks)

Part- C

Answer any ***five*** questions. Each question carries 6 marks.

23. Types of Aquifer.
24. Drainage patterns.
25. Application of GIS in urban planning.
26. Mid oceanic ridges.
27. Vertical distribution of groundwater.
28. Types of dunes.
29. Types of sensors.
30. Formation of desert landforms.

(5 × 6 = 30 Marks)

Part- D

Answer any ***two*** questions. Each question carries 10 marks.

31. Write a brief essay on the geological action of glaciers.
32. Write an essay on Geographic Information systems. Add a short note on the types of data.
33. Describe the geological work of streams. Add a note on erosional and depositional landforms.
34. Explain the types and origin of coral reefs.

(2 × 10 = 20 Marks)

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