

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2021**

Geography

GRY 2C 01.2—SOIL GEOGRAPHY

Time : Two Hours

Maximum : 60 Marks

Section A

Answer at least eight questions.

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

1. Soil taxonomy.
2. Run off.
3. B horizon.
4. Till.
5. Gully erosion.
6. Denitrification.
7. Clay loam.
8. Hydromorphic soil.
9. Soil degradation.
10. Acidification.

(8 × 3 = 24 marks)

Section B

Answer at least five questions.

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

11. Give a short note on concept and need of soil management.
12. Explain the principles of soil conservation.

Turn over

13. What are the physical properties of soil ? Explain.
14. Briefly discussed about the process of soil formation.
15. What are the characteristics of soil profile ?
16. Briefly explain about the soil erosion types.
17. Explain the characteristics of soil profile.
18. Write a note on Marbut's soil classification.

(5 × 5 = 25 marks)

Section C

Answer any one question.

The question carries 11 marks.

19. Explain meaning, nature and scope of soil geography.
20. Write a detailed account on classification of soils in India.

(1 × 11 = 11 marks)

SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION, APRIL 2021

Geography

GRY 2B 02—PROCESS GEOMORPHOLOGY

Time : Two Hours

Maximum : 60 Marks

Section A*Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

- | | |
|---------------------------|--------------|
| 1. Corrosion. | 2. Bajada. |
| 3. Mechanical weathering. | 4. Yardang. |
| 5. Aeolation. | 6. Piedmont. |
| 7. Denudation. | 8. Arete. |
| 9. Thalweg. | 10. Estuary. |

(8 × 3 = 24 marks)

Section B*Answer at least five questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

11. Explain first order of land forms.
12. Give a short note on Exogenetic forces.
13. What are the depositional land form by glacial action ?
14. Briefly discussed about young stage of normal cycle of erosion.
15. Differentiate Dalmatian coast and Fjord coast.
16. Write a note on drainage pattern.

17. Explain about rejuvenation.
18. What are the role of currents and tides in coastal landforms ?

(5 × 5 = 25 marks)

Section C

*Answer any one question.
The question carries 11 marks.*

19. Give a detailed account on weathering and erosion.
20. Explain erosional and depositional karst landforms.

(1 × 11 = 11 marks)

CHMK LIBRARY UNIVERSITY OF CALICUT

- 8 The depositional landform commonly known as 'Basket of egg topography' is _____.
- 9 Limestone deposits found hanging from the roof of underground cave are called _____.
- 10 A peak surrounded by ice and cirque on all sides are called _____.

(10 × 1 = 10 marks)

II. Answer *all* questions in not more than 50 words :

- 11 Dendritic drainage pattern.
- 12 Oxbow lakes.
- 13 Hanging valley.
- 14 Barkhans.
- 15 Mushroom rocks.
- 16 Explain the characteristics of Karst topography.
- 17 What do you mean by stacks ?

(7 × 2 = 14 marks)

III. Answer any *nine* of the following in not more than 150 words:

- 18 Distinguish between endogenetic and exogenetic forces changing the landforms.
- 19 Give a detailed account on 'cycle of erosion'.
- 20 Explain the characteristics of antecedent drainage.
- 21 Write a short note on the landforms of lower course of a river.
- 22 Differentiate the stalactite and stalagmite landforms.
- 23 Give a brief account on the depositional landforms of glaciers.
- 24 Write a short note on second order landforms.
- 25 Explain in detail about natural levees and flood plains.
- 26 What is a glacier ? Explain the different types of glaciers.
- 27 What are the major erosional features of sea waves ?
- 28 Give a short note on coastlines. Classify coastlines.
- 29 Explain in detail about major drainage patterns.

(9 × 4 = 36 marks)

IV. Write essays on any *two* of the following in about 300 words each :

- 30 Describe the erosional and depositional landform of the action of wind.
- 31 What do you mean by weathering ? Describe mechanical and chemical weathering with suitable examples.
- 32 'Landscape is a function of structure, process and stage'. Discuss the statement.
- 33 Analyse the action of running water and the landforms formed out of it.

(2 × 10 = 20 marks)

CHMK LIBRARY UNIVERSITY OF CALICUT

SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020

(CBCSS—UG)

Geography

GRY 2C 01.2—SOIL GEOGRAPHY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer all questions in not more than 50 words each.
Each question carries 2 marks.*

1. Podsol.
2. Alluvium.
3. Humus.
4. Infiltration rate.
5. Leaching.
6. Oxidation.
7. Silt.
8. Parent material.
9. Soil health.
10. pH value.

(10 × 2 = 20 marks)

Section B

*Answer any six questions from the following not more than 150 words each.
Each question carries 5 marks.*

11. Write a brief account on USDA classification of Soil.
12. Explain the significance of Soil Geography.
13. What are the major soil types in Kerala.

Turn over

14. Briefly discussed about the components of Soil.
15. What are the methods of Soil management ?
16. Briefly explain about the importance of Soil conservation.
17. How Soil Geography relates to pedology ?
18. Give a note on mass wasting.

(6 × 5 = 30 marks)

Section C

Answer any one question from the following not more than 300 words each.

Each question carries 10 marks.

19. Elaborate Soil erosion and types.
20. Give a detailed account on the factors of Soil formation.

(1 × 10 = 10 marks)

SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020

(CBCSS—UG)

Geography

GRY 2B 02—PROCESS GEOMORPHOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer all questions in not more than 50 words each.**Each question carries 2 marks.*

1. Exfoliation.
2. Uvalas.
3. Rejuvenation.
4. Fjord coast.
5. Attrition.
6. Stalagmite.
7. Trellis pattern.
8. Avalanche.
9. Chemical weathering.
10. Tidal currents.

(10 × 2 = 20 marks)

Section B*Answer any six questions from the following not more than 150 words each.**Each question carries 5 marks.*

11. What is fault ? Distinguish between rift valley and fault valley.
12. Give a short note on mechanism of wave and motion.

13. What do you understand about third order of land forms.
14. Briefly discussed about the landforms associated with wind action.
15. What are the different types of erosion, explain ?
16. What is the role of geology in the structural formation of landforms ?
17. Write a short account on the endogenic forces.
18. Give a note on types of glaciers.

(6 × 5 = 30 marks)

Section C

*Answer any **one** question from the following in not more than 300 words each.*

Each question carries 10 marks.

19. 'Running water act as a major agent of erosion and deposition'. Explain.
20. Give a detailed account on normal cycle of erosion.

(1 × 10 = 10 marks)

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2020**

Geography

GRY 3C 01.3—GEOGRAPHY OF WATER RESOURCES

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer atleast **eight** questions.
Each question carries 3 marks.
All questions can be attended.
Overall Ceiling 24.*

1. Aquifer
2. Run Off
3. Permeability
4. Water parliament
5. Catchment area
6. IWMP.
7. Evapotranspiration
8. Wet land
9. Seepage
10. Water table

(8 × 3 = 24 marks)

Section B

*Answer atleast **five** questions.
Each question carries 5 marks.
All questions can be attended.
Overall Ceiling 25.*

11. What is National Water Policy ? Explain its significance.
12. Write a short note on over extraction of ground water and environmental issues.
13. Give a note on water pollution and its consequences.

14. Briefly discussed about the water budget.
15. Explain the need of water conservation.
16. Discuss the human dependency on ground water.
17. What is the traditional water harvesting and management ?
18. What is water and how it is a resource ?

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

19. Describe world distribution of surface water.
20. “Water relates to climatic change”—Elaborate.

(1 × 11 = 11 marks)