

Course Name: Fundamentals of GIS

Course Code: GIS-503/ DGIS-503/ CGIS-503

Unit Schedule

Block 1: Introduction of GIS

Unit 1: Definition and History of GIS

- 1.1 Objectives
- 1.2 Introduction
- 1.3 Definition and History of GIS
- 1.4 Summary
- 1.5 Glossary
- 1.6 Answer to check your progress
- 1.7 References
- 1.8 Terminal Questions

Unit 2: Data Models

- 2.1 Objectives
- 2.2 Introduction
- 2.3 Data Models
- 2.4 Summary
- 2.5 Glossary
- 2.6 Answer to check your progress
- 2.7 References
- 2.8 Terminal Questions

Unit 3: Data Query

- 3.1 Objectives
- 3.2 Introduction
- 3.3 Data Query
- 3.4 Summary
- 3.5 Glossary
- 3.6 Answer to check your progress
- 3.7 References
- 3.8 Terminal Questions

Unit 4: Data output and Visualization

- 4.1 Objectives
- 4.2 Introduction
- 4.3 Data output and Visualization
- 4.4 Summary
- 4.5 Glossary
- 4.6 Answer to check your progress
- 4.7 References
- 4.8 Terminal Questions

Block 2: Overview on RS & GIS Software

Unit 5: Introductory idea about RS software

- 5.1 Objectives
- 5.2 Introduction
- 5.3 Introductory idea about RS software
- 5.4 Summary
- 5.5 Glossary
- 5.6 Answer to check your progress
- 5.7 References
- 5.8 Terminal Questions

Unit 6: Overview of open-source software

- 6.1 Objectives
- 6.2 Introduction
- 6.3 Overview of open-source software
- 6.4 Summary
- 6.5 Glossary
- 6.6 Answer to check your progress
- 6.7 References
- 6.8 Terminal Questions

Unit 7: Overview of Quantum GIS software

- 7.1 Objectives
- 7.2 Introduction
- 7.3 Overview of Quantum GIS software
- 7.4 Summary
- 7.5 Glossary
- 7.6 Answer to check your progress
- 7.7 References
- 7.8 Terminal Questions

Unit 8: Overview of GIS portals and open data archives

8.1 Objectives

8.2 Introduction

8.3 Overview of GIS portals and open data archives

8.4 Summary

8.5 Glossary

8.6 Answer to check your progress

8.7 References

8.8 Terminal Questions