Course name: Recent Trends in Geoinformatics Part-I

Course code: GIS-507/DGIS-507

Unit schedule

Block 1: Cloud computing

Unit1: cloud computing basics (saas, paas, laas) like arc GIS cloud
1.1 Objectives
1.2 Introduction
1.3 Cloud computing basics (saas, paas, laas) like arc GIS cloud
1.4 Summary
1.5 Glossary
1.6 Answer to check your progress
1.7 References
1.8 Terminal questions

Unit 2 Create a geo explorer web map
2.1 Objectives
2.2 Introduction
2.3 Create a geo explorer web map
2.4 Summary
2.5 Glossary
2.6 Answer to check your progress
2.7 References
2.8 Terminal questions

Unit3: Cloud based databases and web editing
3.1 Objectives
3.2 Introduction
3.3 Cloud based databases and web editing
3.4 Summary
3.5 Glossary
3.6 Answer to check your progress
3.7 References
3.8 Terminal questions

Block 2: 3D GIS

Unit4:3D GIS technology
4.1 Objectives
4.2 Introduction
4.33D GIS technology
4.4 Summary

4.5 Glossary
4.6 Answer to check your progress
4.7 References
4.8 Terminal questions

Unit5: Modeling in 3d GIS
5.1 Objectives
5.2 Introduction
5.3 Modeling in 3d GIS
5.4 Summary
5.5 Glossary
5.6 Answer to check your progress
5.7 References
5.8 Terminal questions

Unit6: Future vision of 3d GIS
6.1 Objectives
6.2 Introduction
6.3 Future vision of 3d GIS
6.4 Summary
6.5 Glossary
6.6 Answer to check your progress
6.7References
6.8 Terminal questions

Block 3: RS based geodetics surveys

Unit 7-Concept of Geodesy
7.1Objectives
7.2Introduction
7.3Concept of geodesy
7.4Summary
7.5Glossary
7.6Answer to check your progress
7.7References
7.8Terminal questions

Unit 8 – Near field and far field geodetic surveys
8.1Objectives
8.2Introduction
8.3Near field and far field geodetic surveys
8.4Summary

8.5Glossary
8.6Answer to check your progress
8.7References
8.8Terminal questions

Unit 9 - Optical theodolites and measurement of angles
9.1Objectives
9.2Introduction
9.3Optical theodolites, measurement of angles
9.4Summary
9.5Glossary
9.6Answer to check your progress
9.7References
9.8Terminal questions

Unit 10 - Direct and reverse geodetic problem, theodolite moves and horizontal picture
10.1 Objectives
10.2 Introduction
10.3 Direct and reverse geodetic problem, theodolitic moves & horizontal picture
10.4 Summary
10.5 Glossary
10.6 Answer to check your progress
10.7 References
10.8 Terminal questions

Block 4: GPS based RS surveys application potential of GPS

Unit 11 – Fundamentals of global positioning system
11.1 Objectives
11.2 Introduction
11.3 Fundamentals of global positioning system
11.4 Summary
11.5 Glossary
11.6 Answer to check your progress
11.7 References
11.8 Terminal questions

Unit 12 - Components / segments of global positioning system
12.1 Objectives
12.2 Introduction
12.3 Components / segments of global positioning system

12.4 Summary
12.5 Glossary
12.6 Answer to check your progress
12.7 References
12.8 Terminal questions

Unit 13 - Coordinate system
13.1 Objectives
13.2 Introduction
13.3 Coordinate system
13.4 Summary
13.5 Glossary
13.6 Answer to check your progress
13.7 References
13.8 Terminal questions