

Vivekanand College, Kolhapur (Empowered Autonomous)

Syllabus, B.A. (Part I) Geography

(Introduced From June 2023 Onwards)

CBCS System, Subject Code: VSC 01 GEO 11 Paper: VSC, Semester - I

Application of Google Earth

1. Course Outcomes: -

This class introduces students to mapping and locational technology. It prepares students for further studies in geography, cartography, and geospatial technologies. Topics include map making and coordinate systems, issues regarding map scale and projections, using maps, remote sensing, geographic information systems, maps as media, emerging digital mapping technologies, and using internet mapping services.

2. Learning outcomes:

1. Describe the principles of mapping geographic phenomena.
2. Demonstrate the ability to integrate data from multiple sources into a single map; Explore how data are produced and consumed in everyday life.
3. Evaluate the impacts of maps, media, data, and location-aware technologies.
4. Understand the basics of HTML and the relationship between the Internet and mapped information



2. Structure of Course for B.A.I. Google Earth for Geoscience Teaching and Research

Sr. No.	Sem.	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory/Practical	Term Work
1	I	Application of Google Earth	Arts	02	02	02	20	5

Google Earth for Geoscience Teaching and Research

Module I	Introduction to Google Earth	01
	1.1 History of Google Earth map 1.2 Difference between Traditional map and Google Earth map 1.3 Importance of Google Earth in Research	
Module II	Application of Google Earth: Practical	01
	2.1 The interface of Google Earth 2.2 Application of Google Earth 2.3 Point, Line, Polygon	

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Syllabus, B.A. (Part I) Geography

(Introduced From June 2023 Onwards)

CBCS System, Subject Code: VSC 01 GEO 11 Paper: VSC, Semester - II

Introduction to QGIS

1. Course Outcomes: -

This class introduces students to mapping and locational technology. It prepares students for further studies in geography, cartography, and geospatial technologies. Topics include map making and coordinate systems, issues regarding map scale and projections, using maps, remote sensing, geographic information systems, maps as media, emerging digital mapping technologies, and using internet mapping services.

2. Learning outcomes:

1. Describe the principles of mapping geographic phenomena.
2. Demonstrate the ability to integrate data from multiple sources into a single map; Explore how data are produced and consumed in everyday life.
3. Evaluate the impacts of maps, media, data, and location-aware technologies.
4. Understand the basics of HTML and the relationship between the Internet and mapped information

2. Structure of Course for B.A.I. Introduction to QGIS

Sr. No.	Sem.	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory/Practical	Term Work
1	I	Introduction to QGIS	Arts	02	02	02	20	5

Introduction to QGIS

Module I	Introduction to QGIS	01
	1.1 Introduction of QGIS Software 1.2 Application and Importance of QGIS Software	
Module II	Georeferencing, Digitization & Map Preparation	01
	2.1 The Interface of QGIS Software 2.2 Georeferencing of Toposheet /Map 2.3 Vectorization or digitization of Toposheet /Map- point, Line and polygon	

