UNIT- 3: MAP PROJECTION IN GIS

UNIT STRUCTURE

3.1 Learning Objectives

3.2 Introduction

3.3 Map Projection Systems

3.4 Map Projections for Hemispheres and the World

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3.6 Universal Transverse Mercator Projection

3.7 International Terrestrial Reference Frame in GIS

3.8 Let us Sum up

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3.10 Answers to Check Your Progress

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3.1 LEARNING OBJECTIVES

After reading this unit, you will be able to-

- explain the basic concept of map projection
- describe about map projections for hemispheres, world, continents and regions
- enlighten the significance of Universal Transverse Mercator Projection
- get an idea of International Terrestrial Reference Frame in GIS.

3.2 INTRODUCTION

In the previous unit we have focussed on the meaning of map used in GIS. In this unit, we are going to discuss the basics of map projection systems. The unit deals with the overview of map projection, different types of map projections used in GIS. Some conceptual ideas about Universal