

M.A. Semester-II Examination, 2015

Rural Development

Paper - VIII A

Application of Computer and Information Technology in Rural Development

Time : 1.5 Hours

Full Marks : 20

Questions are of value as indicated in the margin.

1. Answer the following questions (**Attempt all**) : 3×3=9
 - (a) Discuss the concept of rural planning and development. What are the different sources of acquiring information for rural planning?
 - (b) Identify the various ways in which maps can be classified and briefly describe each type of map with suitable examples.
 - (c) What is meant by optical remote sensing? What are the different types of optical remote sensing?
 2. Write short notes on following (**any four**) : 2×4=8
 - (a) Spheroid and datum in GIS.
 - (b) Image resolution in remote sensing.
 - (c) Clear acquisition and precision codes in GPS.
 - (d) Image lassification in remote sensing
 - (e) Types of errors in GPS data
 - (f) Types of aerial photographs
 3. Write true or false (attempt **any three**) : 1×3=3
 - (a) Panchromatic imaging system gives black and white photographs.
 - (b) Scattering results in higher DN values of Pixels.
 - (c) Sun-synchronous satillites move in north-south arbit and covers most of the earth's surface.
 - (d) Ground control points are used to measure errors in geo-referencing.
 - (e) High resolution imageries cover larger area and captures coarser details.
 - (f) Spatial filtering is a method of image enhancement in remote sensing.
-