



**SECTION –A (OBJECTIVE TYPE QUESTIONS)**

(10\*1=10 Marks)

**1. Answer the followings MCQ:**

- A. The arrangement of terrain features which provide the shape, size and texture of objects is largely due to which one of the followings:**
- (a) Radiometric resolution (b) Spectral resolution  
(c) Spatial resolution (d) Temporal resolution
- B. Which type of scattering occurs when the diameters of atmospheric particulates are similar to the wavelengths of the scattered light:**
- (a) Mie scattering (b) Non-selective scattering  
(c) Reflectance ratio scattering (d) Rayleigh scattering
- C. Due to perturbation of the orbit, satellite orbit parameters are frequently updated on measurements carried out by which one of the followings:**
- (a) Three ground stations (b) Four ground stations  
(c) Five ground stations (d) Six ground stations
- D. Which one of the followings is incorrect with reference to electromagnetic radiation;**
- (a) Once generated, remains self propagating  
(b) Can travel in vacuum  
(c) Produces time varying magnetic field and vice versa  
(d) None of these.
- E. Geometric errors are corrected by which one of followings:**
- (a) Band ratioing (b) Filtering (c) Georeferencing (d) All of these
- F. A reduction in nitrogen nutrient in plant is captured by which of the followings:**
- (a) Spectral variations (b) Spatial variations  
(c) Temporal variations (d) By image enhancement
- G. The most widely used antenna in GPS is:**
- (a) Paraboloid antenna (b) Micro strip antenna  
(c) Slotted antenna (d) Split antenna
- H. What is the normal altitude of GPS satellite?**
- (a) 16,200 km (b) 20,200km (c) 24,400km (d) 26,600 km