

Solution.

Q.1) a) Diagram - 2M  
Explanation - 3M.

b) Classification like 5M  
i) cylindrical  
ii) conical  
iii) Planar or Azimuthal. } with diagram.

Q.2) a) workflow diagram - 2M  
Explanation - 3M

b) GIS Categories.  
2D, 2.5D, 3D, 4D Explanation 5M.

Q.3) a) i) Earth Resource satellite. 6M  
Landsat, SPOT, IRS.

ii) Surface Roughness, Radar scattering mechanism

b) Sensor Parameter 4M.  
Spatial resolution  
Spectral resolution  
Radiometric Resolution

Q.4) a) Formulae - 2M  
Explanation - 2M.

b) Slope foreshortening, Layover. aspect, shadow GM ratio

Q.5) a) Sensors, HighPass - 6M

b) Mention details - 4M

Q.6) a) Geometrical, Radiometric & atmospheric correction - 5M

b) Preliminary stage - 5M  
Detailed explanation  
Interpretation & compilation