

5. (a) Discuss briefly. Some of the applications of remote sensing. (10)
(b) Why is the aerial photographer concerned about scattered energy? What steps can he take to circumvent the problems caused by scattered energy? (10)
6. (a) As an engineer, how you will assess water penetration properties using remote sensing/GIS. (8)
(b) Differentiate between : (12)
 - (i) Precise positioning service and standard positioning service.
 - (ii) Vector and Raster data.
7. (a) Why is map preparation important to GIS data input? What are registration point? (8)
(b) What are DEM's? What is the relationship between discrete altitude matrix and a TIN model? (12)
8. Write a short not on **any two** :
 - (a) Re-modelling of water distribution systems using GIS. (10)
 - (b) Urban Development Planning using RS and GIS. (10)
 - (c) Environmental Solid Waste and Degradation Assessment using RS and GIS. (10)