Q.1 a) What is Civil Engineering? 
   b) Discuss the objective of Surveying. 
   c) Define Sub-structure and Superstructure. 
   d) Define bending moment and shear force [4x5=20]

SECTION – A

Q2.(a) Discuss the work of Civil Engineers. 
   (b) What are the Civil Engineering Disciplines? Differentiate a 
       Civil Engineer and an Architect. [2x10]

Q3 (a) Discuss the objective of Surveying. Differentiate between 
   Plane Surveying and Geodetic Surveying. 
   (b) What is the principle of Surveying? Discuss the various types 
       of Survey. [2x10]

Q4. Write the name of the various components of building. Discuss 
   each in detail. [20]

Q5. Discuss the various types of civil engineering structures. [20]

Q6(a) Define stress and strain. Discuss about Isotropic Materials, 
   Anisotropic Materials and Homogeneous Materials. 
   (b) Discuss the various types of Beams. [2x10=20]

Q7) Write short notes on the following topic mentioned below:-
   (i) Elasticity (ii) Plasticity (iii) Ductility (iv) Brittleness [4x5=20]