1. Answer the following questions:
   i. Enlist different types of cement?
   ii. What is fiber saturated point?
   iii. Write the type of lime?
   iv. What are the aggregates?
   v. Explain Grades of ordinary Portland cement?
   vi. What is admixture?
   vii. What is plaster? Explain it
   viii. Write the type of mortar?
   ix. Write the type of mortar?
   x. Write the function of the sand in mortar? (2*10=20)

SECTION A

2(a) Explain the composition of ordinary cement? (06).
   (b) What are the air entraining admixture? (06)
   (c) Explain the shape of aggregates in details? (08)

3(a) What are the constituents of good brick earth? (08)
   (b) What are the various uses of properties of stone? (06)
   (c) What are the harmful ingredients present in bricks? (06)

4. Write short note on:
   (a) Sources of stones 
   (b) Crushing test
   (c) Acid test
   (d) Argillaceous rocks (5*4=20)

SECTION B

5(a) What is the advantage of seasoning of timber? (10)
(b) What are the methods of seasoning of timber? (10)

6(a) What are the conversion of timber? Draw neat and clean diagram? (08)
   (b) What is the structure of tree? (08)
   (c) What is fiber saturated point? (04)

7(a) What are the retarders and accelerators? (06)
   (b) Give reasons for the following:
      (1) The cement should be stored carefully?
      (2) The white cement is more costly than ordinary cement? (7*2=14)