

THIRD YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE – 2002/2003
AEN 3202 FARM STRUCTURE & ELEMENTARY SURVEY

Answer all questions

Time allowed: 2 hours

1.
 - (a) Briefly explain the steps involved in manufacturing cement by 'wet process' method.
 - (b) Briefly describe the different types of load that can act on farm buildings.
 - (c) A mixture of cement concrete has to be made for foundation work using coarse aggregate with 40% void and sand with 35% void;
Calculate the different quantities of materials needed and the proportions of mix could be obtained by assuming the volume of coarse aggregate as 100 m^3 .
(10 % more voids in sand and 15% more voids in cement are often used than voids given)

2.
 - (a) Briefly discuss the factors considered in planning a building.
 - (b) Write short notes on the followings.
 - i. Properties of wood
 - ii. Aggregates.

3.
 - (a) What are the different kinds of ranging? Describe with sketch.
 - (b) Describe different type of offsets.
 - (c) Describe the direct method of Contouring.

4. Write short notes on the followings:
 - (a) Intermediate sight.
 - (b) Scale of plan.
 - (c) Height of Instrument method in leveling.
 - (d) Contour of a depression.