

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agrl.Engg) Degree Programme 2015 Admission

IIInd Semester-Final Examination-June/July-2016

Cat. No: Iden.1202

Marks: 50

Title: Building Technology (1+1)

Time : 2 hours

I. Fill up the blanks

(10 x 1=10)

1. Rocks formed by cooling and solidification of magma are called _____.
2. The dimensions of standard bricks are _____.
3. The process of stabilizing quicklime is called _____.
4. The initial setting time of cement shall not be less than _____.
5. The separation of the coarser particles from the mix which results in non homogeneity of the concrete mix is termed _____.
6. Age of a tree may be ascertained by the _____.
7. Materials undergoing large plastic deformation before actual failure takes place, are said to have the property of _____.
8. Pigments added during manufacturing of plastics is to impart _____.
9. The plain through which the stone can be easily cut is called _____.
10. The impression on the top of bricks is called _____.

II Answer the following any FIVE

(5 x 2=10)

1. Discuss the characteristics of a good building stone.
2. What are the ingredients of concrete?.
3. State the uses of cement mortar.
4. What are the different materials used for roofing?
5. What is the purpose of valuation?
6. What are the factors affecting rate of an item?
7. What are the basic parts of a floor?

III. Write short notes on ANY FIVE of the following

(5x 4=20)

1. Discuss the important tests for bricks.
2. How will you determine strength of cement?
3. What is the importance of w/c ratio in concrete?
4. Distinguish between softwoods and hardwoods.
5. Discuss different types of lintels.
6. Discuss different types of stairs.
7. Discuss Jack Arch Floor with a sketch.

IV. Write essay on ANY ONE of the following

(1 x 10=10)

1. Explain with sketches the different types of stone masonry.

