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KERALA AGRICULTURAL UNIVERSITY
B. Tech. (Agrl. Engg.) 2024 Admission
IV Semester Final Examination – July 2026

IDE 2203

Building Construction and Cost Estimation (2+0)

Marks: 50
Time: 2 hours

- I Fill in the blanks (10x1=10)**
1. Granite is an example of rock.
 2. PPC stands for
 3. Proper curing of concrete is required to increase its
 4. Nominal mix concrete is used up to grade
 5. The horizontal member over openings is called a
State True or False
 6. Quarrying is the process of transporting stones.
 7. Plywood is a natural form of timber.
 8. Damp proofing prevents moisture entry.
 9. Labour cost is not included in analysis of rates.
 10. Payback period measures profitability.
- II Write short notes on ANY FIVE of the following (5x2=10)**
1. What are dressing and seasoning of stones?
 2. List four properties of good bricks.
 3. What is fat lime?
 4. What is the significance of water-cement ratio?
 5. What are the functions of foundations in buildings?
 6. What causes the dampness in buildings?
 7. Define plinth area estimate.
- III Answer ANY FIVE of the following (5x4=20)**
1. Describe the quarrying process of stones.
 2. Describe the tests conducted on bricks.
 3. Explain the methods of curing concrete and their importance.
 4. What are dry and wet rots? How are they caused and prevented?
 5. Describe the construction procedure of brick masonry.
 6. Explain the requirements of a good staircase.
 7. Explain the analysis of rates for construction works.
- IV Write an essay on ANY ONE of the following (1x10=10)**
1. Explain in detail the various building components and their functions.
 2. Describe different types of agricultural buildings and their uses.
