



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Tech.(Agrl. Engg.) 2021 Admission**  
**III Semester Final Examination - February 2023**

**Iden.2104**

**Building Construction and Cost Estimation (2+0)**

**Marks: 50**  
**Time: 2 hours**

**I Fill in the blanks**

**(10x1=10)**

1. Random rubble masonry is a type of ..... masonry.
2. Lintels are placed at ..... of Door or window.
3. Purpose of DPC is to resist ..... not water inlet.
4. The depression on the top face the brick is called .....
5. 1:2:4 concrete mix means cement:sand:.....
6. Waist slab is used in construction of .....
7. Last piece of stone inserted in Arch is called ..... stone.
8. Metric unit in which Brick work is measured is .....
9. BoQ stands for .....
10. ....estimates are made in the conceptual phase of the project.

**II Write short notes on ANY FIVE of the following**

**(5x2=10)**

1. What are the uses of float glasses in construction?
2. What are the important sources of dampness?
3. Define compaction of concrete.
4. What are the uses of stone in construction?
5. Name any four wood-based products used in construction.
6. What are the types of abstract estimates?
7. What is the purpose of valuation?

**III Answer ANY FIVE of the following**

**(5x4=20)**

1. What are the important characteristics of a good Brick?
2. What are the advantages and disadvantages of Terrazzo flooring?
3. Explain briefly analysis of rate.
4. Write briefly about importance of wall painting in construction.
5. Write briefly about uses of plastics in buildings.
6. What are the important functions of a building?
7. What are the various elements of an Arch?

**IV Write an essay on ANY ONE of the following**

**(1x10=10)**

1. The center line method of estimation with example. Draw neat sketches.
2. Describe uses of RCC in construction and enumerate the procedure of RCC casting.

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