

# Question Bank

## Building Material and Construction

### Unit 1

1. Write down classification of building material, economy of building material and Explain requirement of a good stone used as building material.
2. Write down the classification of timber, defect in timber and draw a neat sketch of timber structure.
3. Write down percentage and role of ingredient used in manufacturing of cement.
4. What is mortars, its uses and classification of mortars.
5. Explain the manufacturing of clay brick with neat diagram.
6. Explain manufacturing of hydraulic lime and impurities present in it.
7. Write down the classification of lime and properties of each type lime.
8. Explain various type of cement and role of  $C_3S$ ,  $C_2S$ ,  $C_3A$ .
9. What is pozzolona and classify the pozzolona with example.
10. What is gypsum and name its two products..
11. Explain tar, asphalt, bitumen and their properties and use as building material.
12. What is mortars, its uses and classification of mortars.

### Unit 2

1. Explain the parts of door and window in brief.
2. Explain different type of door with neat diagram.
3. Explain the parts of a staircase with suitable diagram.
4. Explain different type of staircase with suitable diagram.
5. What is floor .Explain various type of floor with relative suitability?
6. What is difference between sliding and collapsible door.
7. Explain general consideration for staircase.
8. What are functional requirement for the design and construction of door and window?

### Unit 3

- 1 What is roof and various type of roof
- 2 Classify the building and write the various component of building.
- 3 Define lusture and texture of stone.
- 4 What is efflorescence in brick?
- 5 What is plaster of Paris and its property.
- 6 What is fly ash and properties?
- 7 Explain hardness and Moh's scale

## UNIT 4

1. What is cavity wall ? and Write objective of providing cavity wall.
2. Describe the properties and uses of fire insulating material .
3. Write factor affecting planning of building such as aspect , pospect etc.
4. Explain pointing and its various method.
5. Explain plaster and various method of plastering.
6. How will you prevent the cracks and leals in building

## UNIT 5

1. Write down the general rule of natural ventilation.
2. Write the various mechanical ventilation.
3. Explain mechanical lifter and various part of it .
4. Explain various aspecting of fire tighting.
5. What are meaire take to make a building sound proof