

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Give the various types of glasses and their uses in building.

Q.4 Draw neat sketches of the following

(i) Door Handle.

(ii) Mortice lock.

(iii) Tower bolt.

(iv) Stopper.

Q.5 Differentiate between ferrous and non ferrous metals and give their application in buildings.

Q.6 Explain the role of plastics as material for flooring & roofing in a building.

Q.7 What are the various methods of preservation of timber and what are the various forms of timber available in market.

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**1st Sem.**

**Subject : Building Materials - I**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

Q.1 a) Sedimentary rocks.

b) First class bricks.

c) Give any two characteristics of good bldg. stones.

d) Name any two tests for stones.

e) List two utility of stones in bldg.

f) Uses of marble (any two).

g) Composition of good brick.

h) Two properties of timber.

- i) Soft wood.
- j) Name any two defects of timber.
- k) Staking of lime.
- l) Portland cement.
- m) Setting time of cement.
- n) Mortar.
- o) Storage of lime.
- p) List any two types of glass used in bldgs.
- q) Hinges.
- r) Varnishes.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Name the common bldg stones.
  - ii) Give any four uses of granite in building.

- iii) What are the characteristics of good bricks.
- iv) What are the tests for burnt clay bricks.
- v) Give the classification of lime.
- vi) What are the various types of cement & their uses.
- vii) Explain workability of concrete.
- viii) Explain Reinforced cement concrete.
- ix) What are light weight concrete.
- x) What are the characteristics of Hard wood.
- xi) What are the different methods of seasoning of timber.
- xii) Give the characteristics and uses of Teak wood.
- xiii) What are thermosetting plastics.
- xiv) What are wired glasses and where are they used.
- xv) What are plastic paints.