

MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST SEMESTER B. ARCH. DEGREE EXAMINATION – JAN/FEB 2018
SUBJECT: ARC -14-107 – BUILDING MATERIALS
(2014 SCHEME)

Tuesday, January 30, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

- ✍ **Answer any FIVE questions from the following.**
✍ **Answer all parts of a question. Give sketches wherever necessary.**

- 1A. List the different methods of stone quarrying and explain any one in detail with appropriate sketches.
1B. What are the classifications of brick? Explain the specifications of any one class of brick.
(5+5 = 10 marks)
- 2A. Discuss the dry process of manufacturing of cement with the help of sketches.
2B. Explain any four commercial form of Glass with their application.
(6+4 = 10 marks)
- 3A. Sketch the structure of timber and explain any four parts in detail.
3B. Define Timber. Explain any three Industrial/market form of Timber.
(5+5 = 10 marks)
- 4A. How is Steel the most suitable building material?
4B. Mention the various applications of Polymeric material in the construction industry.
(4+6 = 10 marks)
- 5A. What are the characteristics of an ideal paint?
5B. Describe the process of calcination of limestones in kilns with the help of sketches.
(4+6 = 10 marks)
6. **Write short notes on any TWO from the following:**
6A. Dressing of Stone
6B. Annealing of Glass
6C. Preservation of timber
(5+5 = 10 marks)

